

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-D1

<400> 7928

acgcgtccga aacataagag agtctaaaca ctgtggtaga aaaaaatata gactttttaga 60
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tgctgtgaat ggatcatttc ctgcgctttt ggcttttgga gattcaattc tcgatactgg 180
caacaacaat tttctcctga cttttatgaa aggaaatatac tggccatatg gaangagttt 240
cagcatgaga agggcgacag gaagatttgg aaatggaana gttttctctg atatagttgc 300
tgaaggttta gggatcnaga agattttacc agcttatcgt aaagttgttc aattctccaa 360
gttgacctta gaactggggg ttgcttcnca tcncggtggt gcaaggagtt naccctgttn 420
acatccnaat tgcngagan ttttaaanc ccaaanggat naantnaacn aattcaaaaa 480
gggttc 486

<210> 7929
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-D4

<400> 7929

acgcgtccgn ccacgcgtcc gttttcatgg tagaccaac tctctcattt cttactctct 60
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ctctttactg attcttaatg aaagtcactc cctttctctt tggatatcct tttcttcttc 180
tctgcttaat tcctgaccaa aaattgtgac aagatctttc aatccaaaag ctatatacat 240
taagagctca ggtcactatc tgacgggatc cgtgacaata gtggttactg gagtcaaaaag 300
cagctccttg aatcttgagt gttaagtaga taggtaaggt aaccgttcat ggcctcgaag 360
tatggttctg gagttctccc agaaaataag aangaaaagg gcgattagga aaccccgga 420
acatcttant ccaagtccaa gtgtctcaag ttnaaca 457

<210> 7930
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E1-D5

<400> 7930

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ctcgttgccg tttttgtcgg aattgtttcg atttgttggt gttctcaata agctctcgct 120
tgtcagagaa acaccggcaa cgccgttgaa atagtcaccg gagaccattt tgcctcgtag 180
agttcgctt ttatggcggt cacgtgggga tctgctctcc ggatttctgt tctccttatt 240
ctttagctg caattgtctt agcttggtt tttcncctg ttgagaagct attgaaggat 300
tttttggtt ggggtgaana agatctagng gccttgggga ccttttgccc ctagctgttg 360
cgtacattcc nctaacagtt ttggcngtnc ctgcctcggg ntcccaacg 409

<210> 7931

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E1-D7

<400> 7931

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tgatattctt attagctttg actactggaa tctctgctgt tctaattctac attatcggcg 120
tctctaattct ctacgagtct aatcgtttta ccaatgaaga tttagaggcg ttgcagtctt 180
tgcagaacgg attccagaag tgcgtaagtg caaatgggtt gggactacaa gctgctatgg 240
gtagagatta ttgcaaagtt tctataaact tccctaagga tactgtcccc aaatggaaag 300
atcccaagtc tggagagctt gaaggattgt catatgagtt tgacctgtgt gaagcagtan 360
ctacatggga acaagtcagg aatagctcta caatactcac caaggaatac attgatgcct 420
taacaaatgg atgggaagan tatgcaatg 449

<210> 7932

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-D8

<400> 7932

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 atttgtgagc tctcttctct ttgcgcagtc aatttgctac aacttagaaa atggcggcgg 120
 ctacttcac cctcgtctct tctctttcat gcccatctcc ttcttcttca tccaaaaccc 180
 tttggtcttc caaagccaga accttggtc tacccaatat cggtttctct tcgtctctct 240
 ccaagtctct gaggtcgtt antgccaccg tcgttgaaa tggcgccact ggatnctccc 300
 ttgccgctcg catggtttct tcgtctgagg tcaaaagccc ctgtttcgcn cgattttgag 360
 aanctgtctt canaaaggng gaaagtttct cttgccngtt nccaaanagt ncattgtgag 420
 nagnggggaa agagactttg ttnaaa 446

<210> 7933
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-E1

<400> 7933

acgcgtccgn aaggggttctt cgttttcgtt gttgtgagga attttgctcc gatgtcggcg 60
 gagagtgtt tcggaagctc gggatgatcaa agcagcagca aaggagtggc tactcatggt 120
 ggtagctatg ttcagtataa tgtctatggc aatctcttcg aagtttctag aaagtatgtt 180
 cctcctcttc gtcctatcgg tagaggcgtt tatggaattg tctgtgctgc tacaaactca 240
 gagactggag aggaggtagc tatcaagaag attggtaatg cttttgacaa tattatcgat 300
 gctaaaagga ctttgagaga gattaagctt ctcaagcata tggatcatga aaatgtgatt 360
 gctgtaaagg atataataaa accaccgcag agagagaact tcaatgatgt ttacaatggt 420
 taagaaccta atggacactg atntccaaca aaattatcgc tcttaaaca ncccttaa 480
 ga 482

<210> 7934
 <211> 526
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E1-E5

<400> 7934

tgtttaccct gccggtaccg gtccaagaat tcccgggtcg acccaacggt ccgagggaat 60
ggagagttgc tgtcggagcg tcatagcttc aaggacgttt catctgcggt caagtggccg 120
tctatttccc tctcttagct taactcatct caagggcaag ctatctctct ccatcaactc 180
gttttcctcc aagattcagt ctcatgcnc tccgaggantt ggtataggcg agtcagataa 240
gaaaaatccc ctgccgcgag gggccggaga aggagtcaag gaagatgcga ggagtaagct 300
gcttcatgta gttttggtct ctctcagat tcctgggaat acaggttgca ttgcaagaac 360
atgtgctgcc tcagctgttg gtctgcattt agtcgggcca ttangtttct aagtggatga 420
cgccaagagt taagcgaact ggtttggatt attgggcctt tgtggttgct aaagncgcat 480
agctcatggg gctgagtttc aaggaatant tcaggcttca ggaggg 526

<210> 7935

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E1-E8

<400> 7935

accgagtcca naaattccc ggtcnacca cgcgctccgnn cagcggtccg gtaaggctcg 60
gaggaaaacc taattcgtcc ggagaatctc cacctcactc tcgccaaacg catctctgtt 120
gtagcttgtg atggatccaa cacagaacac aagtgcaggg attggtggga gcaatggtac 180
aatcagatat caaaccaatg atgggacttc aactgtgacc gttgctgatg attcaaagga 240
gaatctttcc caagtcataa actctattga gaaaacttta ggagtccttc atcaagttac 300
accttaccgt cacttctttc acaccgcgt ctcaactcca tctcctccag cgccttaact 360
ctcttgtgat gngagcnaga taacatgact aanttgtctg agaaatgcaa cattcaaadc 420
ccatggaagg tcttaacttn nntnntnagt ngggaanaac ccgggntgag ttttacgaaa 480

<210> 7936

<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-F4

<400> 7936

acgcgtccgg gaaagaagaa agaaggaaga cgatgatgat gctcagaatc cgaagcagag 60
atggactgga gagagtcaca gcggagggag ctcatatcac tgtttcccag ctcaaacct 120
tgatcgcgga tcagcttcag atccctctcc ataagcagac cttatccacc aatcgtgatc 180
tcctcctcgc caaaactccc gctgatctac tcgccttcac cgacctcacg gacccaaacc 240
tccccctctc ctctctcaac ctcgccatg gctctatgct ctacctcgcc tacgatggcg 300
agcgtcccat tcttgagct cctcccgta ctctgccc atccttcggg aggaagatga 360
ccgtcgatga cttgatcgcc cgccaagatg cgcgtcactc gtcaggagac gtctcactgc 420
gactccgtct ccttcgatng cgatgcccgc caaagctttn cagcact 467

<210> 7937
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-C2

<400> 7937

ccggtcnaa aatcccgggt cgaccacgc gtccggagat ctgcgagaga aagagagatc 60
agattccggt gttccaagga agcacatatt ttaagattca gaatcgctg agagatgtct 120
accttcagtg gcgatgagac cgctccttcc ttcggttcc ttggcgctgc cgctgcgctc 180
gtcttctcat gtatgggagc tgcgtacggg acagcaaaga gtggtgtggg agtggcatct 240
atgggtgtga tgaggccgga gttggtgatg aagtctattg tcccagttgt tatggctggg 300
gtgttgggta tctatggttt gattattgct gttatcatca gtaccgggat taaccccaag 360
gctaaatcct actacctct cgacggatat gctcatctct cttctgttcc tgctgtggg 420
ccaactggtc cttcaactgg aaatggccaa aagtatnctt ggcgancng gtntcanggg 480
caaatgctcc aaaanccaaa ag 502

<210> 7938
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-G8

<400> 7938

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cccgtacant ccgaaaattc ccgggtcgac ccacgcgtcc ganctggtgc aactgcagct 60
aatcaacttc gactttggaa taagggtgtc gattcagaaa gcttcaatcc ccgtttccgt 120
tctcaagaaa tgcgtataag actgagtaat ggcgaaccag aaaagccact agtgattcat 180
gtaggtcgca ttggcgtaga aaagagtttg gagcttttaa agagtgtaat ggacaaatta 240
cctgaagctc ggattgcttt cattggagat ggaccatata aagaggatct tgagaagttg 300
tttaccggaa tgccaagcgg ttttactgga aacgttacaa ggcgatgaac tctcacaagc 360
ttacgcaagt ggagatgtgt ttgtgatgcc atcagagtcg gagacacttg gccttgtggt 420
tcttgaagca atgtcttcan gacttcctgt cgtcgcggcc cntgcccngt ggaatccctg 480
atataatccc ctga 494

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<210> 7939
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-H3

<400> 7939

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acgcgtccgc ccacgcgtcc gccacgcgt ccgcccacgc gtccggattt actcttaact 60
tacagctgat tacaattcac tgtaatctct caagaaccct agattctttt ttttcctttt 120
caattgtgat ccgtcagcaa tgcttgatct ttaaattttac tgatatctga agatcgaatt 180
agggttctga tctacttgat atttatttgt ttgggctttt attcagcagc tcgatcttgg 240
gctgaagcta tggctcaaga gtaattggga agctgacaag atgcttgatg ttacatata 300
tgattatttg ggtgaagaag gaaanttcac ananactgct aangtcgttt atgactgaag 360
ggaaggtttc tcctgatnc 379

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<210> 7940
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-H6

<400> 7940

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ttatttcgaa gagagagaga gaagaagacg gaagctagaa gaaatcgttt ttgatcggag   60
atagtgtatg agctagtgtt ttgtaatttg acggctctcg ggaactgata tatctccggt  120
gtctctgctt tgtcggttagc tacaggagtg aagagagttt ctacaagggt tttaatggaa  180
ngatgatgac tctccttctt ctcgggattt ggatgcacag aacccttatg atcnattgct  240
tgctctagat acaagtaccg tagatccaaa ttgtnacttg gnttcggttt ctgccattta  300
tctagcgatg aagaggtcta agctggaatg tgttgacgag cgtgggcana nattccctta  360
antacttcgg gatgcatnga ggatgaanca ggatgaggag ctcgatgagt ttgatactta  420
atcggtttan                                     430
  
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<210> 7941
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-H8

<400> 7941

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ccnggggtcc gaaatcccg gtcnaccac gcgtccgagg acgcgtggga aaaaaaatt   60
actcttagat tttcctcaaa aaccttaatc aatcgccggg aaaatgaata ttccggtgac  120
tatttcctcc attactgttt ctaataacgc tgtttccgac aatcgtcgtc atgtttcccg  180
tgaaaatcgt cagcggttaag aaaaccgtca cttatatatt tttttctttt cttcttcggt  240
tttgtgaaga tgatgatcca ctgatttgag agtagtagct tgagagggtt ttagtagatt  300
tcgattttgc gattattttt gtttcttga gagatctcat ttttttgcca cttccgatga  360
tgaaagatcc agccgattaa caacgatttg ccggcgaata gagtggaatc atcaaccaan  420
accagtgtt aagtctcgtc tcaagcgtt aatagatnga ncgttcacga gaatcccaaa  480
  
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<210> 7942
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-A1

 <400> 7942

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 ctcttcaact tcttcttcat ctgcgtcctc tatatccact tcatcgcttt ctccgtcgtc 120
 aacttctctc cctctcttac aatcacccgat ccgcgcgccgt taccgctccc tccgcgcgccg 180
 tctctccttc tccgtcattc cccgtcggac ttctcgctcc ttctccactt ccaattctca 240
 gattaggtgt tcgataaatg agccgttgaa ngtgatgatt tcgggtgcac cggcttcagg 300
 aaaaaggnaa tcantgtgag ctcatgttgc acangtttgg tttggtgcac atatcaacag 360
 gggatctatt gngaacagag gtgtcatctg ggacagatat tggaagagng caaaagagtt 420
 catgaactcg ggtaanttgg ttccngaata aaattgttaa taaccna 467

<210> 7943
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-A3

 <400> 7943

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 gatccagtta ttatggatta tatacgcttg aaactcattt taagccattg ttattgaacg 120
 tttatcaaat acttaaaactg ataaacgcaa agtcctcgca agtacctctt catttccaca 180
 caaaggcaac acacttgctt agcacacacc attcatcttc ttctgaccct ggacaagtta 240
 aagaaatgca tccattcaat ggtatggttt acccgaaga tgaggaaaga agagggagtg 300
 cccattttgc actaactcca aaccaaatac ctcataccgg aattgtaaca tttaaacagc 360
 ctgtagtttc catttcttct gctgtgaana gacactgatt atatagacga cgacgnctca 420

tgtcttgcca anagaacgcc tccctgcccc ctggaaacca naaattgaaa aacagcagtg 480
 gggataaaatt ggngattcaa aatgtaaagt tctaaaccgt ttc 523

<210> 7944
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-A6
 <400> 7944

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 gaaggaagga gatgggaggg gtgacgtcat cgggtggcggc gaagtttgcc ttcttcccg 120
 cgagtccacc gtcttacaag gtggtgaccg acgagctcac cggactgttg cttctcagcc 180
 ctttccccca ccgcgaaaac gtanaaatcg taaagcttcn gaccaggaga ggcacagaga 240
 tcgtgggcat gtacgtgagg catccgatgg ctacctccac gctcctctac tcccatggca 300
 acgccgccga tctgggacag atgtatgagc tcttcantga gcttagcatc catctcaagg 360
 ttaatcttat gggatacgat tactccgggg tatgggacaa tctactggga aanccnagtt 420
 aagcatnana cgtaaggctg atatcgaagg ntgtttagaa gtttcnttga angaaaactt 480
 tggctcctaa gtcacga 497

<210> 7945
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-A7
 <400> 7945

actcaaaaaa gtctgcgtgg atctccagcc gttttcagac acttaccac aaaatattcc 60
 tctcggcgat gatccctttc tgctgaattt ttggtccttt gtcgctcgac tgttttcttc 120
 gtctactatt tgttcctttt ggatattctt cggacttttc gttgatttga ttttcaagag 180
 agagagtgtt aacaaggaag gattgaacta tggaagatgc atcagagact agctactgg 240
 gtcacatgtg ctcccgatcg gtgattccat tgattcaaga cgaaatcatc aaatgcaatt 300

tctgtcaaag tggttttgtt gaagaaatgg ataataatga tgacnatcat gnggcngatt 360
 ctctctggac ccctancttg atngagatga tgaacaa 397

<210> 7946
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-B1
 <400> 7946

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 ttgggaactg taagagctca aggtcggccg atatccgact ttgtgaacca aaagattgtt 120
 gtggtgggag ctggaagtgc tgggcttggg gtaactaaga tggcagtaca ggcagttgcc 180
 agaatggcag gtatcagcga gagtgaagca acaaaaaact tttacctgat agataaagat 240
 ggtcttgtca ccacggagag gacaaaactt gaccaggag ctgtactttt tgccaaaaat 300
 ccagctgaga tacgcgaggg agcaagtatc gttgaagtgg tgaaaaagtg aggccacatg 360
 ttcttctctg tttatccgga gttggtggta tccttaatga agaagttctc aangcgatgc 420
 cgagaatctg actcatgcaa gcctgccaat ttttgccatg tcnatccca ctttgaatgc 480
 c 481

<210> 7947
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-B2
 <400> 7947

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 ctcggggcg cgtggccgta tgctaccttt tttagagaag gagaaatcag aagaagagtc 120
 tgaaactctg gaatcgagtc tcttacagct aatcgacgac aatcgtcgat catcgttaca 180
 gctccgggaa aaaaccgaga gatcnagaaa ggaagcaatc aggcacgcgg cgagaacggc 240
 ggatctgcta gtgaaggcgg tgaacggagg agtagaggaa tgtttcgtta acgagaacg 300

gattgaagtc ngagattagg aatcttgcca ttacggtggc gaaattcggc aaacaaacgg 360
 atnactggct tgccgtcact cacgccgtta atancgccgt naaaggaaat tggagatttg 420
 agaattggat gaaaacnath gaatttgaat gnaagaaaat ccct 464

<210> 7948
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-B3
 <400> 7948

gntaccggtc caaaaattcc cggggtcgac ccacgcgtcc gaaaatatct tcttgctcat 60
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 gagatatggg aagtactccg actgatttac ccggtgagga tgtcgccgat aacagatccg 180
 gcgtcggcgg tgggtatttct gacgtctacg gtgaggattc cgccaccttg gaccagcttg 240
 tcacccttg ggttacctct gtcgctagt gctacacatt gatgcgtgat ccgagataca 300
 acaagggact tgcgtttact gataaagaaa gagatgctca ttacttaact ggggtcttctt 360
 cccctgtga ttttgagtca ggatgttcan gagangaagg tgatgcacaa tctccgtcaa 420
 gtacactgtt ccctctgcag cgtttacatg gncctgaagg atnntcagga aaggaaacaa 480
 gaggttggtc caacaagcct tttgaattga naacgttg 518

<210> 7949
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-B4
 <400> 7949

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 gaaaccaagg aacagtagaa aggcgttgaa gcagaagaat gagctcgtgg agacgccacc 120
 atcgctgtc tccgtcaagg ggaagtcagc gaagtctttc gagcaagatc tgatnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnncttca gaagatgaan gaattcaaac ctaacatgac 360
 ttttgcttgc cgtcagtcac ctctcacaca ngctg 395

<210> 7950
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-B7

 <400> 7950

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 gggcttctat acatcacccg cgatattggt ttacgcgtcg gagagatggt tggtagagtgt 120
 tattgatgac acgaagattt caattctcgg cgggtgaacg tgaagtctta acaatttcat 180
 tgtccaatgg tggaatttac agagagagag gaccgagttt ctttggaact cagcgaagaa 240
 attatacaga gcatggaacc tggcgccggt ttcaganact ataattgcag gatcagctca 300
 attgactttc acaaaacttc gacttgtatg gtgacagcta ggcgacgatg actcaantcg 360
 tctctatgat gttgccagcg ccacatgtct gaagacaant aatancaaaa agtatggtgt 420
 tgatctngtg tgccctcacat cncaanccgt acnactgnca tctactcttc cagaaaagng 480
 ntggggacga ctccctngaa g 501

<210> 7951
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-G7

 <400> 7951

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 gagctcttct tctgtgtttt ccgtgtcttt tccattttgc aggctgaga ctgtctcgca 120
 tacatcattt acaatgcctg tagtgattca accactggat tattgtaaag cattggacaa 180
 agtcccaaga tcaactctgt tatacaaatg aacaccatag acattganag aaagaagagt 240

agctcactaa cctttgcttt tcatggagaa tgctcctaca acgtgtttgc ttttgatttc 300
tactatgacc tgcaaaagag aaaccgngca aaattcaact ctagaattca accagcatat 360
anccttggtta agcttcaatg agtattcgat gtttaacctg agattttttg ttgatgtaca 420
cttttacatg cttccaccgc agaacacctg ngaaagtcca tgagtcaatt catcaatctc 480
gngatatgag ttcacgggtc cgtgccna 508

<210> 7952
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-C5

<400> 7952

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttcgac ggtcaccacc aaacctcttc 120
cgtcggattt tcaactctcg tttatcgaac atctgagatc tctctccact tccgtcaccg 180
aagatgcatt ccagtcattt tcttctcgag gagccgatca ggatggcttc aatcctcgag 240
ccttccaaat ctagtctctt cccggcattg actaagatcg tcggaactct aggtcctaaa 300
tcccgatccg tcgaggctct ctccggctgt ctcaaagccg gcatgtctgt ggctcgattt 360
gatttctcgt ggggagatgc tgattatcac caggagacac ttgataattt gaaagttgct 420
gtgaggagca ctaagaagct ttgtgctgtt atgcttgata ctgttggacc tgagctacaa 480
gttattaaca aatctgag 498

<210> 7953
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-C6

<400> 7953

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ctcatccacc ttccaaaaca gagaagggga aaatatgaca ccggctattt tttctccgac 120

gactcttcct ccatcaactg ctacatggcc atgttcaaca tctcagaagc tcatcaccgt 180
tagatcacca ctcaagttca agtgtagagc aacttcatca tcatcgtcta tcaactgactt 240
tgatctttat gacctcttgg gtattgatcg aagttctgat aagtctcaga tcaaatacagc 300
ctatcgtgcg ttgcagaaac gatgtcatcc agatatcgca ggagatcccg gtcattgatat 360
ggccatcatt cttaacgagg cttaacagct tctctctgat tcgatctcgc gccaaagccta 420
tgacaaagga gcaagcaaaa ctagaaagaa ctcaagaggc tatacaggga aaaccgatat 480
actcggtttg gtgtggacca aaaacan 507

<210> 7954
<211> 499
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-D3
<400> 7954

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catacacaca tacgcttccc tgaatttggt gacgttagtc ttcttccttc cttctcactc 180
tttgtttcgc cgtgaaaatg agctctgata natanaagcg acagagagaa acttgaagca 240
gatgtcgtct ttcttcaaata ccttcgcggg gaaatcccag ggaagctgct gcaatggcna 300
tggttcaatc ttcattctac agagtgttgt caggtaaaag ttgttcaaata ttaaggagaa 360
acacgccggtt ggattctttt cttgccaaag gaaaggtctt ccgtcaaggg ctttttcatt 420
cttaaangtc ccacggtttt caactgaacc aanncaatga gttttgggtc anttcatcag 480
aacgaaggtc tcntggggc 499

<210> 7955
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-D4
<400> 7955

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 ttttaggtctt cgaattctca attttcttcg gtgatttcta aaatctgctt tggatttggg 120
 gaaacaactc tgtctatgta tgaatctcgt ttcgaatctc eggagtttgc tcaatgttgc 180
 ttctcttggc gtgaantttg ttanatgacg gatgatgatt tctganaaac cattggggant 240
 ggaggattct atacggcagg atctggaggt ttttaaccgtg tcaaggaggc ttgtgaaaag 300
 tgtagccag aanttgaaga aaaagattca taaaactgag gtggtggaag atgaagagat 360
 tgcaagggga ccggtgaatt gtttaagtan cagtgttggg tgcaaanttc cngatacggg 420
 tgaggatttt 430

<210> 7956
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-D8
 <400> 7956

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 ttccctgggc ttattogett gtatctgttg atatacaaga tggcatctgc gactctgaga 180
 aggcggtctc atcacggtga tgtagatggg aggaagtatg aacgctatga tgcaacagac 240
 tctgaaactt taagtgaacc cttgttagga agtaagtagt actgataata agtagaaatg 300
 agtacattga ggagcgtact ctggaggata ttgggaaga agaacggaag agacagcaaa 360
 gttcactggg acgttaatcc tttcccaatt gattgcacag ttgggctcag tggatagcca 420
 aaatagtctt tgggatctgg ctcaacttgt tgggaagttt ccttccccnc cctacatttg 480
 gtccaaataa gtactggtg 499

<210> 7957
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-E2

<400> 7957

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tccattttgt tatcggtac ttccactagc ctctccttc gctgcgtctc ctgtttctct 120

acttcacgat tactcgctag attcattgaa gcagttgtga gttaagttgg agaaaatggg 180

tgtgtttggg aatgtttctg cggcgaattt gccttatcaa aacgggtttt tggaggcact 240

ttcatctgga ggttgtgaac taatgggaca tagctttagg gttccactt ctcaagcgct 300

taagacaaga acaaggagga ggagtactgc tggtcctttg caggtagttt gtgtggatat 360

tccaaggcca nagctagaga aactgtcaa tttcttgaa gctgctagtt tatctgcac 420

cttcngtnt gtcctnctg cctgctaagc cnttgaaant gtaattgccg ggtg 474

<210> 7958

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E2-E3

<400> 7958

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gtgggcaaaa ataatcatc acaagaccag agttaaaga gagacatgtc gacttcattc 120

acaatgatcg gcggtgaagg tcccaacagt taccgggaac attcgaaata ccaggagca 180

ctggttatag ctgcaaagga aaagatcaat gaagccatct ccacgaaact cgatatcgac 240

tttacttcaa atcttgtaa catagctgat tttggttgtt cctctggacc gaacactttc 300

accgcgttac aaaccttaat tgatgctgtg gaaaacaagt ataagaaaga aagtaatatt 360

gagggaatcg agttccaagt tttcttcaat gattcttcaa acaacgattt taacactctc 420

ttcaaagaca ctctctccgg ctagactgta tttcgcaagt gggagtancg ggttctttcc 480

ttggtcgtgt tcttcctaaa aaatagtc 508

<210> 7959

<211> 514

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E2-F5

<400> 7959

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tcaaacaact caatcctcat tccctttgtt tcgcctctct ggatttcgaa gagctgagag 120
attagggttt ctcgattttc gagattagag tctaataccc accaccagca tanctgatat 180
cctggaggag agaatgacgg attcgggtcn aatgatgccg gcggagattg ctggaattct 240
aaccacggcg attacgagtt ggtgggatga tgtaaatgag tcaactcagt ggcaanatgg 300
gatctttttc cgctctttgt ggtgcctatg ctcttgtttc cgccgttget cttgttaact 360
gataaggatn caaatgaaga antgcctgag tatgggttgg gacnactcag aaacgtgttt 420
caatcttatg gaactttgnc gtcaatgna ntttcgttgc cggctcgtgt tgggatttca 480
caatgcanct nantccttgg tcaaccccaa nggt 514

<210> 7960

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E2-F6

<400> 7960

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acagattggg tttgggatca agtgggcaaa ccaatatgga tccttctccg atcgctcagg 120
gaaatgacga tgacacaccg gcgccgggga atcagtttgc ccaattcgga gctggatgtt 180
tctggggtgt cgagctggcg tttcagagag tcccaggggt gactcagacc gaggctggat 240
acaccaagg gaccgtagac aatccttcat acggagatgt ttgttctggt accacaggcc 300
attcggaggt tgttaggggt caatatgac ttaacgattg cacctatgaa gtctctgctt 360
gatttgttct ggtctangca tgatcccacc actttgaatc gccaaaggaaa tgacgtggga 420
accaataca gatctggaat atacttctac acaccccgag cangagaaaa ctaagcccgt 480
gantcacttg aacgtcacca gcaacaaaat g 511

<210> 7961

<211> 497

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-F8

 <400> 7961

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 agcgtttctt ttttctcgga aaaagattat tagtatTTTA taactaatgt tttgcttttc 120
 aattgctaaa gattgggttat tatctgggtg ctgttgagaa tgattcagga actgttggtt 180
 tttcttccaa gaatcactct cttgaatctt gatggctcct gtgttgaaca tgcagatcag 240
 gatatgctct gttttgtgtt agaaggaagt ctctgaagaa caaggtacat attatataac 300
 aggggttccaa cggagaaccg tgcagataac ttatttgga cagcttctac aaaaaaacat 360
 attccggcaa aagaaaacaa tgcaactacc tacacatggc ttattaaagg caaacaacac 420
 gattggtaga cttgtttaga accattcttc ctagctgcat gtttgttgat gtgctttggg 480
 aagcngattg ctaggcc 497

<210> 7962
 <211> 211
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-G2

 <400> 7962

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 gttgtgtcga tgcataatta aaattagtta atgatagtta tgaggaaagt cacgtatgtt 120
 gcttatcttt cttcttcttg ttaaaacaaa gccaatctta atgcataata tatcttggtt 180
 gtcnnnnnnn nnnnnnnnnn nnnnnnnng g 211

<210> 7963
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-G3

<400> 7963

acgcgtccga aaacaaactc tcgcttctcg catcggtgat tctccaaaac cagttttcac 60

tctctattgc cgattctcgt ttcgtttgat atcttaggaa tctataaaca aaggttgaac 120

aatgtttctc aaagtccaat taccatggaa cgtgatgatt ccagctgaaa acatggatgc 180

caaagggctg atgttgaaga gagctatact agtagagtta ctagaggcgt ttgcttccaa 240

gaaagcaacc aaggagcttg gctactacgt ggcagtcaca actttggaca agattggaga 300

aggcaaaatc agggagcaca ccggtgaagt tttgttcccg gtaatgttca gcggaatgac 360

tttcaagatc ttcanaggag agataattca cgggtgtggt gcacaagggtg ttgaaagcac 420

ggtgtcttca tgangtgtgg gtccaatccg agaatgttaa ctctc 465

<210> 7964

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E2-G4

<400> 7964

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acgataccgt cttcatcggt cctcttgaat gatcgcacct ttgagagatc gaacttgccg 120

tctacgcgcg cggagaagct gatccgtgag ctaaaccctt tcccgcagca ggatctgaat 180

gtgatcgatg tcgctgattt gcctctcact gctgcggagg gaccggggat tgttgaacgg 240

aagttcgtat tcccgaatat acttgccgat ggtggcccta ctgtcgacga tttaggtcat 300

catgctggnt attacaagct cccgaaatct cgtggngcaa gcatgttcta cttcttcttc 360

gagtcacgga acaagaaagg atgctcctgt tgtgatttgg gtgacgggaa gggccggatg 420

t 421

<210> 7965

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E2-C4

<400> 7965

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tcttaaacyg agcaacgcct ttgaaatcga attcgctcca caaatctaga ctcaactccac 120

ttcatcttcg aactatctct tgttctagac tatcttactc tccctcgagt cgcgaaatct 180

ctctcaaaac tcaatctact gttcctatct cgtgtagggc tagtagggtt gacttcggtc 240

ctcgttgagg catttcgtcg aacgatttgc ctactgagaa aaagaagagc tttggggagt 300

gggttgaggt tgtgggagag gcgggttcga cggcggttcc gatatgggtt tctctgggat 360

gcttggtggg actgatgaga ccaagtactt tcaattgggt tactccaaat tggaccattg 420

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gcgctttacc gatgccn 497

<210> 7966

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-B4

<400> 7966

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aggaatggcg ccagttcttc agagctcaca gccatgggtt gagaaatacc ggccgaagca 120

ggtaaggac gtggctcacc angaagaggt gggtcgtgtc ctcaccaaca ctctccagac 180

tgctgactgc ccgcacatgc tcttctatgg accaccaggc actggaaaaa ccactactgc 240

tcttgccatc gctcaccagc tctttggacc tgaactatac aagtctatgg tgttgagct 300

taatgcaagt gatgacagag gtattaatgt tggtcggact aagatcaagg attttgctgc 360

tgttgctgtt gggctaatc atcgtcaaag tggttatcct tgcccatcgt ttaagatcat 420

catcctagat gaggctgatt cgatgacaga agatgctcag aatgccttga ggcg 474

<210> 7967

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-B5

<400> 7967

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tggaggtggg agaaatagac acaagagcac cgttccaatc ggtgaaagct gcggtgagct 120
tgttcggaga agttgcagtc tcaaagcaaa gaagtactcc aaggcgatct cgactctcct 180
ctgagagcgt ttgcgacaag gaaacacagc taatgctggt ccacaaggaa ttcatagaaga 240
tcaagcaaaa gcttgacaac gctgagagca caagatctcg tgctctagac gatctctcaa 300
aggcgaagaa gacaatggag gatcttagca acaaacttga gactgtcaac aagtctaagc 360
aatcagctat tgacaccaaa gaaactgtcc aacagcggga agaacagctt gagcatgata 420
agtgtcatgg c 431

<210> 7968

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-C12

<400> 7968

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tcgtctttgt ccacgggtca tgtcatggag catggtgctg gttcaaacta gctgcaaagc 120
tcaagctega tggtcaccgt gtgacagcta tcgaccttgg tggctccggt gtcgacacga 180
ggcagctcca tgaggttcgt ttggtgtcgg cgatatctaga gcctttgatg agtttcatgg 240
agtctctccc tgaaaacgag aaagtgggtc ttgttgggtca tagctatggt ggcattggaa 300
cttctcttgc tatggaaagg tttccgacca aagtctctgt cggaatcttc ctctctgctt 360
acatgncgca ccatgantct cctccggcgg ttttgattca aggagtattt tacgagacta 420
ccanaggggt ttcgctatgg actgtgag 448

<210> 7969

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-C4

<400> 7969

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agctggaaaag atgatttttt gaatcctttg gagcgaagag ttatgaattg gcattttgct 120
cacacagaat atgggtgtgc tgctgtcttc aaggaagttt cgcttctca ctggnatcaa 180
gatgagtttt atggcggggt tggagggcct catgctatga ttaagggtgg ttatagccga 240
gttggtgagt cgcttgacga aggactggac attcacttaa acaaaatagt ttcagatgta 300
tcttatgtct ctgatgtatc tgccatggat aacagcaagc ataaagtcag agttagtaca 360
tcaaatggct gtgagtatct tggagatgct gttctgggta actgttccac ttgga 415

<210> 7970

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-C6

<400> 7970

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ggagaaggac gaacagttca gatggtacaa gcagatgctg cgtcagttgg agctacaaga 120
agaccctcnt cttccttttag agaaagcggg tcagtggaga tcccagagtt cttgaagaag 180
aaaggcagct ctggttatcc ccgagtctaa agcccaatct aatcactacc ctgcacactg 240
cagcaataac aaacgtgtgt gtactggtag tctggtactg ctttctggga tacagcaaga 300
tgtgttgatg tatgatcaag aatctgtgtg ggtgtgtata tggtctgtca ctgcctctgn 360
gtcgtgttct tgaatagggt gttttagaaa tcggagtttc tctctatgtc act 413

<210> 7971

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-C7

<400> 7971

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catcatcaca tccacttcct tcgtcttcct ttctctgtct gtctcttaac ccaaagtgtg 120
 actctttgag ccgttattag atctctgccg cttcaatant ggggagctta tcttcngagg 180
 aagacgacga agtctcttcc gagagatgcy gaagttacag tcccagcgcc gacattagcy 240
 agtccgagag ttccagcagc ttctcctgcc ancgcttoga cggcgagggg gcctctagct 300
 ccatcccttc ttncctcga gttgtcnctg gnagaggatt ttacntcccg gccccagtca 360
 tgcttccggt gatcggcggn aaagatgtgg tctggggatg acaaa 405

<210> 7972
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-D1

<400> 7972

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 ggagtaaata atgcgcctgc tcttaaaaag gctgatattg gcattgcagt tgctgatgca 120
 actgatgcag cacgtagtgc ttcagatata gttcttactg aacctgggtct tagtggtatc 180
 atcagcgctg tcttaaccag ccgtgctatc ttccagagaa tgaaaaatta tacaatctat 240
 gcggtttcca tcaatattcg tattgttctt ggcttcatgc tgctagctct tatatggaag 300
 tttgactttc cacccttcat ggttcttata attgccattc tgaatgatgg cacaattatg 360
 acaatatcaa aagacagagt gaaaccttcc c 391

<210> 7973
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-D10

<400> 7973

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 taggttcttt aaaaggaac ccttttcacc actagttctt gaatccacat acaagccgag 120
 gcggttcaat attaaatgta aattttaccc ttaaaaccat ttgatttctc cttcaaaatt 180

cctgcaacga cattaatttg aaaaaaaaaa aacagagacg taagatcaaa gatgaggagc 240
aagagcggtt ttagtttctt ctctaaaatg acttcttcaa ggaagaggcc ttctctctca 300
ctacctatca agagtcacga gtccacggat gttaacaaga ccatcgacaa tgcagccgag 360
attatcgaga aatggaacac agagtatgtt tccgataaga aattttantc tctgttttgc 420
gagagcaagc gagacgcgaa gaatttgta aacgcgtgaa ggaactgcag aac 473

<210> 7974
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-047-Q1-E1-D8
<400> 7974

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tcctgcaacg acattaattt gaaaaaaaaa aacagagac gtaagatcaa agatgaggag 180
caagagcggt tttagtttct tctctaaaat gacttcttca aggaagaggc cttctctctc 240
actacctagc aagagtcacg agtccacgga tgtaacaag accatcgaca atgcagccga 300
gattatcgag aaatggaaca cagagtatgt ttccgataag aaattttatt ctctgttttg 360
cgagagcaag cgaagacgcg aagaagtttg ttaaacgcgt gaaggaactg caaga 415

<210> 7975
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-047-Q1-E1-D9
<400> 7975

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gattcgagca agtttaaaga ctcgagggtt ttcttctgga taacgtaatt agatactcgt 120
gttttctgaa agggatcatca ctgctattgt catagcttga gaaaggatct atttttaata 180
tcagtgatat tggatctat gagatttgga gtagttgttt ggaggaacgt gtcctcttgc 240
ttgatgtgaa gattgcttct tgttgtttgc tgtttcttaa tggagtggag ggggaatcctc 300

tgctcgttgc tttttattgt ttccgtggga gagtcgtcaa gtagatttgg gataatgtgg 360
catcctaatac ttggtgttga ttctggacaa tacgtgactt ggccaatctt a 411

<210> 7976
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-E11

<400> 7976

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tgaatccaac tatgtttaga ttgagaagtc tcttgtcgtc gaagagttct tcgattgtag 120
aattgtcatc aaaaaacgtc acagaagcaa ttcgtttcgc tccatttcat tcgacaagtg 180
ttctgtctga aaaatcgagg agtagatttg gttctgctag agattccgaa ggcgaaacgat 240
cttcaaagaa ctctccata agatttacat gtaccgtaaa ggagaagggg cgtaccaagt 300
gctaagaaga ctgtgggata aactcctttt ccacaggggg aattaatgat ccgcttcaga 360
atgagtggca tttcggggcca agtccgctta tccgggatan gcatatgaag aaaaa 415

<210> 7977
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-E2

<400> 7977

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cgttgttggg accgccttat gcggtgggtc cggcgccgcc ttcattgctt cctccgatga 120
cccatcaaca accctcaagc tttgcacctc catccccgtt cgtctctacc gcaataccgt 180
taccgccgcc tctattgctt tcgattatga gtactcgttg ttgggtttgg ctgaggggaag 240
cagtgagaga gctaagggtca aacatgaagt ccacctaagg tcagctcaaa agcttcaaga 300
gctctgtttt aaaaatggag gaatctatat caaactcggc caacatatag gacaactaga 360
atatcttgtg cctgaagagt atgttcctac tatgaggag tccatgttga acaaat 416

<210> 7978
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-E3

<400> 7978

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aattattgaa tcagatatga ttttaattggt taaaacactg cgagggattt gctagggcgt 120
ctcgcagttc cctcgcaatg taagcagcat tttgattggt ttaaaagacg gttcctcgca 180
atttcctagt aagggttgcg agtgatttgc gaggaatat attcttatat atactcgata 240
acctagtttg agcggagctc aaacctgccg catcaaacc taaacctaat ttttttcttc 300
gattctcttc ttctccgacg tattttcttc gtcgccggtt tctcttcttc tccgatctat 360
tttcttcgcc gccgcctctc ttcttcttcg atctgattac gtcgccgcct ctcttcttct 420
tctccgccgc gtctcttatt ctccagcagc cggccgcaac tcttc 465
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<210> 7979
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-E6

<400> 7979

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gaaacagaaa tcacttagag acgattaaga gaaaactaag aacgataact ctgccttcg 60
attctttttg ttgattgagg cgcaagctac ctgcacacaa tggagaacaa tcgagaggga 120
ccatactctg ttctaacgag agatcaactt aaaggaaata tgaagaagca gatcgccgaa 180
atctctgaga tcttctcggt atcaaaacc gatgcgaccg tactctcat gtttctccga 240
tgggactctc atgaagtctc tgagtttttg gttgaaaaca acgaaaaagt cttgtcggaa 300
tcaggtttga aaccagtggg agttgatccg aatcaagact tatataagat ttcttcttgt 360
gggatttgct ttaagacttg tgatgatggg gattacttaa tctccacgcc c 411
```

<210> 7980
<211> 424
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-B3

<400> 7980

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caacacatta acaaaggcga aattgtagac cggctttgga ggggtgaaat gggctctgcc  120
gaagaagatc agaagaaaac tcaagaacaa aggttacaat taaacagcga aaagatcagc  180
aacagagagg tgactcaaga atcagttaat aatagtatct gttgccagtc tcgagctgtc  240
ccagagctga acggtagtgg ttgccaacaa aatgggaact cctcttactg tctggaggag  300
attcacacag agaaaaatac ctcgagaga gtaacctctg taaaaaatgc atctcttcgg  360
ataggaagca gcgagaatgg atcttctggg ggattcaaag gtttgtgccg tgaatgtcaa  420
tggtt                                           424

```

<210> 7981

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-E7

<400> 7981

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gggcggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntggcgat ggcgagctta   60
gctaggagaa aagcgtactt tctcaccaga aacatctcta attctccac tgatgctttc  120
agattctctt tctccctcac tcgcggttc gttcgtcag gatccgacga caacgacgtc  180
gtcatcatcg gcggcggtcc tggaggttat gtggcggcga ttaaagcggc acagctcggt  240
cttaagacta cctgtatcga aaagcgaggc gctctcggtg gtacttgtct taacgtcggc  300
tgtattcctt caaaggccct tcttcactct tctcacatgt accatgaagc aaagcacgtt  360
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<210> 7982

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-G2

<400> 7982

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ttctgaaagc attcatcgat ccaaagaaga acttcctcgc tcgtatgcat atgaaagcca 120
tatctactcg ccttcgcaga tacgggtctga ggtacgatga tctgtacgat cagtattaca 180
gtatggacat caaagaggct atgaacaaga ttggcccagg ganggtcntt gatgccccgt 240
taaccaacgt tctcaaagcc tnccaatggg acctccccat gaaacacgaa tacctcccca 300
aggatnttca aggcgggtgc aaacccatt ccgtggctat cttcaaggac atgccttgct 360
ccttgtttaa gaagggaata gcaaaggga cgaagaaggc cttggggaag cctcctanc 419

<210> 7983

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-G4

<400> 7983

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ctctcaaaag tcgaatatcc caaatcgcgt ccgttttccg gcgataatct ccgatctaga 120
tccgatggcg aaagaaccag ttcgtgtgct cgttactgga gctgcaggac aaatcggata 180
tgctentgta cctatgattg caaggggtat catgcttggt gctgaccaac ctgttatacct 240
ccacatgttg gatattcctc cagctgctga agctttgaac ggtgttaana tggagttgat 300
cgatgctgct ttccctcttc ttaaaggtgt tgttgctaac aactgatgcc gtttganggg 360
angtactggg actcaatngt tgctgggtta nggcntgnng ggttncccga ggaaagaagg 420
gtatgganaa ggaaggatgt gatgtccaag aaatgtttcc 460

<210> 7984

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-G5

<400> 7984

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tctgagtcca tgaagatgcc agtggcattg gtctggctac tggcattcac tattctactg 120
atcagtgggg aaggcaataa tgccatctgc aaggagaatt ttaagttaga ccctagacct 180
catantgttt cgatcctcga gtttggagcg gttggtgatg ggaagacgct caacactatt 240
gctttccaga acgctgtttt ctatctcaag tcttttgctg ataaaggcgg tgctcagctt 300
tatgttccac cagggaaatg gctcaccgga agcttcaatc tcacaagcca nctcactctc 360
ttcttggaga aaggagcaac aattcttgca tcaccgggat ccgtcgcatt 410

<210> 7985

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-G7

<400> 7985

acttttgecc cgnccggtac anatccanaa attcncgngg tcnaccacg catccgncca 60
ctttcccttt cctctacgtc accgttttga cagtcattggg tggttaagaga gctcccaata 120
tgtgtgcctc tggttgaatc caaggcatcg cttgggcttt tggtggcatg atctttgctc 180
ttgtttactg tactgctgga atctcaggag gacatattaa tccggcggtg acttttggtt 240
tgttcttggc gaggaagcta tctttaacca agagctctgt tctacatagt aatgcagtgc 300
cttggagcta tatgtggtgc tggtgtggtt aaagggtttc aaccagggtc gtaccagacg 360
aatggcggtg gagctaattg ggtggctcat ggttacacaa agggttcagg tcttggtgca 420
gagattgttg gaacttttgt tctggtttac actggt 456

<210> 7986

<211> 123

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-H3

<400> 7986

ggtccancca cgcgtccgag atgnttgct ctgtttaaca tagttttgcc atgtggatct 60
tgaattctgt caaactatct caatagttga ttcaacttgt ttttaaaaaa naaaaaaaaa 120
agg 123

<210> 7987
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-H6

<400> 7987

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ggaggaagaa acagtccgat gtgatgagat tcctccagag ggtaggtgc tgggagtaca 120
gacagcaacc ttcgattgtt cgtctcgtca ggcctactcg tcctgataag gctcgtcgtt 180
tgggttacaa ggccaagcag ggctttgttg tgtaccgtgt acgtgtgaga cgtgggtggga 240
cgcaagangg canntgccta agggatttgt gtatggtaag nccaacaaaa caagggantt 300
gacacaactc aagtttcaac ctnacaaagc nttccggttg cctgaaggaa cctnccttg 360
gcaaggaaaa ttngggttgg 380

<210> 7988
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-H8

<400> 7988

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ggccaaaccc acccgtgtac tccatccgtc ggatccacca aaccaannnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnntggg cattttaggg tttctcaa atttgacgct ttctcttaaa 240
agggttgacg aaataaccct ttaaggga aaacaaaggt tgaggaagac caccaaggtg 300
aaaaaagaaa gaagaattcg aacaacagca gcaacaagat aaagttacga atttttccct 360

cttttggnac ctttgtttcc cttcttcctc cttcctccat ttttttccaa ntaaaa 416

<210> 7989
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-A1

<400> 7989

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cgagaggatg gatgaattca catcccgcat tgaagagttg aattccaaga tcccgaacag 120
gatatctcct tcaggtagtc aacataactt ggctttacca atcgaaaacg gtaatgggtc 180
tgtcttatca ttctccgcat ccgcatctca gctcgttaagg gaatctcctc tgaatggaag 240
agtcgtactg ggttgctcgt gggacagcgt cagataatgc atcaaagggg ncacactgaa 300
ntaatcttcc tttcgggagt atggtttgga naaaaagact cgca 344

<210> 7990
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-A10

<400> 7990

cccggtaana agtccaaaaa ntcccgggtc gaccacgng tccgcatctc cgtaaacc 60
tagcgattgg aatacggata tactccaaat ggctttctta agtaaagttg gaaggttatt 120
cagtcagacc agcagccatg tcaactgcctc tagctcgatg ctacagagca tccgttgcat 180
gtcttcatca aaaatctttg ttggaggtat ctctacagc actgatgagt ttggcttaag 240
agaagctttt agcaaataatg gagaagttgt tgatgcanna gattattgtg gaccgtgaaa 300
caggcagatc tangggcttt gctttcgtaa catttacttc cactgaggag gctagtaatg 360
ccatgcaatt ggatggacaa ggaccttcat gggtcgaaga attanggtga attatggcaa 420
cctgaaana 429

<210> 7991

<211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-A2

<400> 7991

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agagaaaagc ctccattttt cncaaggcaa tctctctctc tctgcctcat ctcacaaacc 120
cattacacca aaacctcatc gtagagagag aaacacacca accattgtta cactctaaga 180
gaagagaaga gagaaggaaa aatggncggt gtatcaccaa agtttgtgtt gccggagaca 240
ttcgacggcg tgangatggn gatcacaggc caactaggca tgatctggga agcttgtnaa 300
agcaccangt gattgtccct cttcttcaat tagctgttta catctgtttg cttatgtctg 360
tcatgctttt atgtgagagg gtttacctgg gaatcgatcat cgtcctngtc aaactcttct 420
ggaaaaaacc agncaaacgt ta 442
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<210> 7992
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-A4

<400> 7992

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acacgtgggc gggcattctt tcccaaata taatggttac aggggacgtg gaagaggacg 60
aggaagagga gcaggagat cacaccaagt aatgaaattc actgaagatt ttgatttcac 120
agcaatgaac gaaaagttca ataaggatga agtatggggt catcttggga agagtactac 180
cttagatggt gatgaagatg atgattcccc gactgtagat gaggctgagc ttcctaagat 240
cgaggccaaa cctgtttaca acaaagatga ctttttcgat agcctatcat caaacaccat 300
tgaccgagag tcccaaaatt caaggcctag gttctcagag caacggaaac tagatactga 360
gacatttggt gaattctcga gattccgagg aggtcgagga gggcgtggtg gggttatg 417
```

<210> 7993
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-A6

<400> 7993

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aacgccgacg acgccgacta caacaacgcc gatcacggct tcgtattggg gttacagctg 120
tacgcgtttc gtcagcgttt gggctgatca aggcacaaca accgtcggta gcgtcgcttg 180
ccctcactgc gacggcggtt ttatcgaaca gattaacgat tcttcctccg ccgctaccga 240
attaacgatt ccggcttcta ctgaagtaag atcgatcaat aacaaccgta gatccgtgat 300
tagacgccgg agatccggtc gtcgtccgtc ctttaatccg gtcacgtac ttcaaggagg 360
cgccggcgag agagaagagg gagaagaagg agatgccggt agaga 405

<210> 7994

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-A7

<400> 7994

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aaaaagctta aagttatgaa ccaactcggt gaaggccatg acttaacaac tcagcttcag 120
caactcctct ctcaaccggg gtccgggtcta gaggatctag tggctaaaat cttagtgtgt 180
ttcaataaca ccatctccgt tcttgatacc ttccaacca tctcctcctc ctcacccctc 240
gccgccgttg agggatctca aaatgcttca tgtgataacg acggcaagtt tgaagattcc 300
ggcgatagtc ggaaaagatt gggaccggtt aagggtaaaa gaggatgcta caaaagaaaa 360
aagagatcgg agacgtgtac tatagagtcg actatacttg aggacgcatt ttcttgga 418

<210> 7995

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-G11

<400> 7995

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 ccagctatcg gtatcgatct tgggnaccact tactcttgcg tcggagtatg gcaacacgac 180
 cgtgttgaga tcantgcnaa tgatcaagga aanagaacca cgccatctta cgtttctttc 240
 accgactccg angagggtga tcggtgacgc anctaagaat cangtcgcca tgaaccccg 300
 taacaccgtt ttcgacgcta agagggtgat cggtcgtcgt ttcnctgaca gctctgttca 360
 gangtgacat gaaattgtng gccantcaag attcaaacng gggcctggcc gntaagccaa 420
 tgattctaan gtcggaata 439

<210> 7996
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-A8
 <400> 7996

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 aacanaggat tcacctttgc attcatattc tttatcttga cttcaaagtc aaacctccga 120
 ttcgataaac aaattgggga atggatgctt gctttcgtct ttctcaccac gatctgaagc 180
 acccaagtgc caaattcata ttcgattcac cggcggctag gtatttctca aatcggtcag 240
 atttctgaga tttatttatg agaacaatgg tgacgaccaa attgggaatg ctccattatg 300
 taattgacca tatatatgga gcgtttatgc accgcaccaa gatgacccca cctttcttct 360
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<210> 7997
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-A9
 <400> 7997

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gactcaagat tagcatctct catttctctg gatggcattt tgaagcaagt caaggaaatc 180
acaagacaag cctctgtcca tgttttgagt aaaagcaaga agaaagcatt acttgagtcc 240
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agagaaattg ctacagcaca ccaagttggt cgagacgatt cctgaacaag aggacactaa 360
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tgatgtatct cagtggaacg ttttgcaatt caa 453

<210> 7998
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-C7
<400> 7998

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gctctgacta cgtcttccag attgtcccaa aaatcgattg gacagcaatc gcggtttcct 180
tatcaaccaa caccgtcaag ctttactcgc cggtgactgg tcagtactac ggcgaatgta 240
aaggccactc cgataccgtc aatcagattg cgttttcctc cgactcggcg gcgtctcctc 300
acgttttgca ctcttggttc tccgatggta ccattagatc ttgggacact cgaagtttcc 360
aacaggtttc gcgtattgat actgggaatg atcangagaa t 401

<210> 7999
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-D2
<400> 7999

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ttatcatctt cttcttcttc aaatcgagat cgaagaagaa ccaacaaaaa accaaaaatg 120

gagacgaagc caaaccttag acgtccttca aacacagttc taccatatca aacaccacga 180
 ttaagagatc attaccttct gggaaaaaag ctaggccaag gccaatgttg aacaacctat 240
 ctctgcacag agaaatcaac ctccgctaata tacgcctgca aatcgatccc gaagcgaaaag 300
 ctctgtgtgc gcgaggatta cgaagatgta tggcgtgaga ttcagatcat gcatcatctc 360
 tctgagcatc caaatgttgt taggatcaaa gggacttatg aagattcggg gtttgttcat 420
 attgttatgg agggtttggt 440

<210> 8000
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-D4

<400> 8000
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 agatccgaga gcggttttca gtttgaagta catgttactg tgcaagatca tggttagcca 180
 agctgatgat gttgcaggaa taatctctc aaaggctggg actacagtaa cgttggccct 240
 gacctggatg ccatgaaagc agtcgctgat gctcactcga agaggtcctt gaagttgttt 300
 gagaacgcac tccgtgacta caaagcacia gcttgaagat gacccaattg tccacangca 360
 tctctcttct ctctatgaca cgcttctggg agcaaaatc 399

<210> 8001
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-E1

<400> 8001
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 tcactttctg gttttctggg gtgtttcaaa agatctgtct tttttgttc tctttgatgt 120
 ctctagtctt gttgggatgt gaaacacatg attttcgagg agtagagaga gacagagaga 180

aattaaggga aagagctcac ttgtgtgact tgttctgtga gaaaattctc taagcaaat 240
tctcaatttt ttcagcttct ttctaattta tgcataataa aattcagagc ttttactct 300
gaaagtntnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngtttgcata gaagaaacaa 360
ttttgtgtt gatttagtca gttcacctaa tctgaagaga agttaaaaag tttggctaan 420
atttgtcaaa aagttaaac t 441

<210> 8002
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-E11
<400> 8002

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna 120
tgttaaactt gccggagAAC gccgcggatc atccggttcc ggaaccgtcg gatcgtcagg 180
ctccggaaca ggcggatctc gttccaccac atctactcag cagaatggtc ggatcttaag 240
tcggccgatg gaggaagtac ngagaacctt tgaagtttgg tcgtgagctt ggtcgtgggc 300
aagtttgggtg tcacgtacct cgtaactcac aaagagacga nacaacaggg tcgctttgca 360
aagtcantcc ctacgcgccg nccntgttca caaagacgac nttgaagatg tt 412

<210> 8003
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-E3
<400> 8003

ctgtgtacgt tgnccggggc cgggtccataa ataancgggt cnanccacgc gtccgnaacg 60
nntccgcgga cgcgtgggag gacgcgtggg ctggaactaa aggatatata tggctggtct 120
tatgaagtta ggatgcttgg tctttgtctt cgtgattgag gccggtccaa tcacagcaaa 180
ggcggctctg agctgtggcg aagttaacag caatttgaaa ccgtgcactg gctacttgac 240

caatgggtggt atcactagcc cangcccaca gtgctgcaat ggtgtagaa agcttaacgg 300
catggtcctt acaaccctag accgtcggca agcatgtcgt tgcattaaaa atgccgctag 360
aaacgtcggc cctgggtctca acgtgaccg tgctgctggg attcctagga gatgcggaat 420
caaaatacct tacagtaccc anac 445

<210> 8004
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-E6

<400> 8004

acgttgcccc gcccggtaca atccaanaat tcccgggtcg acccagcat ccgnggacgc 60
gtgggcaggc aaccacaact ttgatctatt gaggaagctg gttcttctg atgggttcagt 120
tcttcgggct aagctcccggt gtaggcctac ccgtgactgc ttattcgctg atccagctag 180
agatggaatc agcttgcctca agatctggaa catgaataag tttactggta ttgttggtgt 240
attcaattgt caaggtgctg gttggtgcaa ggaaacgaag aanaaccaga tccatgatac 300
ttctcctggc aactcaccg ggttcaatcc gtgcggatga tgctgatcta atctctcaag 360
tggtcgtgta anattggagt ggagattcaa tagtctatgc atacagatca ggtgaggtgg 420
taagactacc taaaaggtgc ttcaat 446

<210> 8005
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-046-Q1-E1-E7

<400> 8005

gaggcctgcg cgactgcgtt tgccacgtct ccgccgcctc ctccgattct tttaccctaa 60
ctaaatttgc cgatgttgct actcatcacc gaagaatggc cgccgaaact agcatcagga 120
agctcccatc tctctccggc ctccgtcacc gacgtaatcc actggaagat aatccctact 180
tccaccctc caatggcttc tacatcactc cttctgacgt catcctcgcc caggctgcct 240
acgaccactc cgccactcc caatcacgcg tggcctacca cagggtggtg cctcgccgtg 300

agatcatgta cgagccatca gctgtcaagg cggcgatcgt tacgtgcggt gggctgtgcc 360
ctggcatgaa cacagtcata agagaactcg tggtgggtct t 401

<210> 8006
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-F1

<400> 8006

ccccggtcca aaaatnaacg ggtcnanccn cgcgtccgac ataaaaaata ttaaacaaaa 60
agaacaaaaa aaatggcaaa actttcatta gcattaggtc tattgctact attagcatta 120
agtgaggctc acgaagtgca agggtcgttc ttattgaggc attacatgag gaaatttccc 180
agaagggtcca gagactttcg gccattcgct tgcagaggta tggtgaagtt cgtggacgtt 240
ttggagctta agtgtccatt aaagccacaa tacaagagct tcttcggaaa cctaaggctc 300
tacatgaact tcataaactc ggcattccggg tcgaaaaact ttgatgccga gctaaaaggg 360
aaagcccagg gcctcttctc agctatgtct gcaatgantg gcaaaggcgc cgcattcggt 420
gattctagca angttatg 438

<210> 8007
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-F10

<400> 8007

cgtagccgtc canaattcaa gggncacccc acgcgtccgn aactgtaaaa aatctgatcc 60
aatggagaaa gacgatgcaa cggcgtcgtt ttcacctagc ttcagtactt attccggcga 120
tagactcgtc gaaatcgccg aacgagtctg ttacaaagag aaatcagacg ccgaattcga 180
gttttcgacg gcggcgactt cttcttccgg tgacggtgga ctagttttcc ctgtatttaa 240
caagaatcta atctccggag atgtttctcc ggagaaagta attccgttga aggatctatt 300
cctccgtgaa cgtaacgacg aacaaccacc gcaacaaaca tactcatcgt cttccgacga 360

agaagaagaa gacgacgaag tttggttcga tnccgagcga gatctattgt ccatggacac 420
cagcgagatn tacggcggnt atgtcaccaa gtnggaggat g 461

<210> 8008
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-F11

<400> 8008

attcangggc ctttttcaca tgggaaagga taagactttg ccgttgcttg accctcgtga 60
gccaccggaa ctcaccggaa ccaagtcggc gtcaaaagta tgggccaaag agttcggcga 120
agagtcgaag cggctttggg agttagcagg accagcgatt ttcactgcca taagtcaata 180
ctctcttggg gctctcactc agactttctc cggccgtctc ggtgaacttg agctcgccgc 240
cgtctcagtt gaaaactctg ttatctccgg tcttgccctc ggtgtcatgt tanggatggg 300
gagtgcattg gagacgttgt gtggacaagc atatggcgcg ggacagatta ngatgatggg 360
gaatatatat gcaacgttca tgggtcattc nctttactac tgctttgttt ttgcctcccg 420
tctacatttg ggctctcct aatc 444

<210> 8009
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-F12

<400> 8009

tagctgcccg tgnccgtcca aaattcanan ggtccacnga cncgtccgna agaataatta 60
gtgtttttgt aataacgtta tggatcataa gggttgatgc tagggttttc ggaggacgag 120
gaatcgnaaa atttgtaact ttcggtcaga attatattgt tacgtgggga caaagtcatg 180
tttctacact ccattctggc gaaaaagttg atctttacat ggatcaatct tcagggtgtg 240
ggttcgaatc caaggacgcc tacggatcag gtctctttga aatgagaatc aaantgcctt 300
caggaaatac tggcggcatc gtcaccgctt tttacttgac gtcgaaagga ggtggtcacg 360

acgaagattg acttcgaagt ttctagggaa caacaactga aaaccggtaa cgttacagac 420
 aaatctgttt ctaaattggag aangaancnn anaagacaag ttttttcttt 470

<210> 8010
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-F2

<400> 8010

agactcagaa ttttcattct caaaccttag attccttaac gaaatggcga tggagatctc 60
 ggtagatctg ataaaccaac tcaaggtctc gtttcgaaag gaggccaagc tcacctccgt 120
 cgacgattgc tcggactcat ctttccccag ctttcccaca tccgaggagg ctatcgaga 180
 acttgatgct tcagctccct accttcgttg ccgaaactgc aaaggaaaac ttttacgagg 240
 aatcgagtct ctgatctgtg ttttctgtgg aaatcagcaa cgcacgangt gataatccct 300
 cctgattcca tcaaatttac ctccacttct ggcntacaag tgggtttctc anctctctta 360
 aatctcgaat gggattcggg tanaa 385

<210> 8011
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-F9

<400> 8011

ggtccanaaa ttcacgggtc caccacgcg tccgatcacc tctgggtcag ttgatccggt 60
 gatccatgtt tttgacatca ggtacaatgc tcgtaagccg acacaatcaa taaaagcgca 120
 tcagaaacga gtgttttaaag cggaatggca ttactctcaa ccacttctca tctccatatt 180
 ttctgatctc aacattgggtc tgcacaagat ctcatgaaac ttttgaagct ctcatatgtc 240
 tttgttcctc atttcttatt atctgaggat acaggttcag gtggcgaata tttatcaagc 300
 catcatacca attcttaagt tttaggtata aacatcattc ccatgtatta aactctcaat 360
 ttttataaag gattcggtta ttaaaaaata acaaaaaaaa gg 402

<210> 8012
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-C4

<400> 8012

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnecgaaca gatctctcat ctcccttcaact tgttgactgt ttataccaca ggacaatggc 180
tgacaaagat gaagcagcga cgcgtggaaa tgattgggaa gttgtttctc ttactgcttc 240
agcttacgct gctgctcctg ggtcctaaac cagtagtgga ctcgaaagat gatgatnaca 300
aggaagttac tccttggttac gaagctgaga catctcatcc ctttatanat gtctcgncac 360
tttgttttcc caccaactgg tcagcttgag aatactangt gaccttaneg aggctagctt 420
aacgggggtcc aattgcaang gaaa 444
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<210> 8013
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-F4

<400> 8013

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agtcttttgg tgaatgggaa gctgtgata agggtttctg aaggcagtga agtagagggtt 60
ctgctggaca gaactccgtt ctatgctgaa tcaggaggtc aaattgcaga tcattggtttt 120
ctttatgtta gcagtgatgg gaaccaagag aaagctgttg ttgaggtaag tgatgtgcag 180
aagtctctta aaatttttgt tcacaagggc actgtaaaaa gtggagctct agaagttggc 240
aaggaggtgg aagcagcagt agatgcagac ttgaggcaac gagcgaaggt tcaccatacc 300
gccactcatt tgctccaatc ggcaacttaa aaagtagtag gacaagaaac atcacaggct 360
ggttcattag tagcttttga ccg 383
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<210> 8014

<211> 385
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-044-Q1-E1-F5

 <400> 8014

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 caagaaagtt gagctttttg atatgggagc tggagttagt ggcgaaccta cagctgagga 120
 aaatgttcaa gtggcttcat ctatgtcaaa ccaggagctt gttgatgctg gaatgaaaag 180
 aatggatgag actgatcagg ccattgagcg ctcaaaacag gttgtagaac aaacactcga 240
 agttggaact caaactgcag ctaatttaaa gggacagacg gatcaaattg gacgcgtagt 300
 taaccacttg gacactattc aattctcaat caagaaggcc tcccagctgg tgaaagagat 360
 agggagacag gtggctaccc gataa 385

<210> 8015
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-G1

 <400> 8015

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 cccgaagtgg ccacatttag caagactaac taccctcttg cacaccacgc caagatatct 120
 ggactacatg ctgcttttagc agttccatta aagagcaaatt ctggtttggt tgagtttgtg 180
 ttggaatttt tctttccgaa agcatgcctt gacactgaag cgcaacagga aatgctcaag 240
 tcactatgtg tgacactgca gcangatttc aggagttcaa atcttttcat canagaccta 300
 gagttagaag tcgtagtacc tgtaagaaga gacaatggct cttctcagaa aaaccngcta 360
 tgttggagca gaanccgtag a 381

<210> 8016
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-G11

<400> 8016

aaatccaaaa cacacagaga gaaaaaaaaac tgaaacatcc caaatggatc atcatcttca 60
accataacaa cacgaaaccc ttcttctcca aaatcccca aaccttgaaa caaagtctca 120
aaatttcact tcgtggatcc gaatgtctca gaacccatca ctcttcttcc tcttatgtcn 180
agggttaggt ttttgcgttg acctgggtca atccctgaaa gttcctttca gcgttaacga 240
tgttcttccg atgtacctc gtcaagtctc atggcctggt ttgaacagtt nccacaacgc 300
tgtggatttg ttgccggttt ttaagnnggt cagttactcn taatangtgt agnctattga 360
ggtgggnaan gtgcnntgct ttantgggta atngcaagct cggcttgata tcaccgggta 420
gtggatn 427

<210> 8017

<211> 378

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-G7

<400> 8017

aaaatggagg ccaagaacaa naaagcagta gcctcccgtc tctgctgctt atgcaacctg 60
agacgtcccg tctcaaaag acctaaancc cttcaacana tatgcanaga gtgcttttat 120
gagggttttg aggaggagat tcatacaagtc attgttcaga atcgtttatt caaatctggg 180
gaacgtgttg ctataggtgn ctctggtgga aaagattcta ctgttctggc atatgtgtta 240
tcagaactaa acagacgcca natttatggg ctagacctct ttctcttgtc catagatgaa 300
aggattacgg gttatcgtga tgattctctt gagactgta ancggaacca agtccantat 360
ggnttcctct taagaatg 378

<210> 8018

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-G9

<400> 8018

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ttacctagtg agacatgctc aggggattca caatgtggat ggggagaaga attataaggc 120

ttacatgtct catgactact ttgatgctga gttgaccag cttggctgga aacaggtaga 180

tagtttgcgt aagcatgttc attccagtgg acttcacaag aagatcgaac tggtcatttc 240

gtctccactg atgagaacct tgcaaaactgc tgttggtggt tttggtggag agggctacac 300

ggatatgagt gatgtactac ctctaattgg agcaaatagc ggaaataagc agccgtgcaa 360

ctatatcgag tttaaaactg cccaccagtt attacagagg gagtcttgca nag 413

<210> 8019

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-H2

<400> 8019

anacgaagga aggaggcaga ggatagagag atagcgaggc taatggatca gtgactcact 60

gagtcagatt ttaccgattc attgcctcca ttgaagcctc ttttctcaga ttctacgctt 120

cactgtctct tctccatgtg cgtctcctcc tctccggtt cttcagatct tgctttccgg 180

tgacggtttt aatcttcttc tctctggtaa cacgtataaa gcatggctta cctgatgtag 240

acatgtagtg ttaggctaaa gactcctctt ttcacttctg tcttggtgag tttgtgttgg 300

tttaaggctt taagccaaag gcgttggttg tctgacaaga tggcaatggc ggtgtttaag 360

gctcctctaa aaggggaatt tcatg 385

<210> 8020

<211> 383

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-H3

<400> 8020

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tcgtaaaatc ttcgatgtgg cgatttcggt tcacaagaac atacaagaaa gagacataga 180
 agttggtagg aatctcggaa attggattct tcgttggctc gataagatga aaccagcagc 240
 tcagatccgt actcggccag aactaccaca caacagcaat tccaacatgg acaaggcaaa 300
 gagactaacg gaattgtccc gtcccaaadc gcacacgaac acgacgcaga ctccacaaaa 360
 ccgtgaatcc gataggcatt tgt 383

<210> 8021
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-H4

<400> 8021
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 attggcatct cagggagctg gtttggcttt taatccggca attggacagg ctttgttggg 120
 ttccttgggg acagctgctg gtgtaaacc agggaatgga gttggaatgc caactggta 180
 cgggtactcaa gctatggcac cggggacaat gcctgggtac ggtacacaac ctgggttgca 240
 aggcggttat cagactccgc aacctgggtca aggcgggtaca agtagagggc aacatgggtg 300
 cgggccatac ggtactcctt acatgggtca ctaaattgtat catgtatcca tccactcaga 360
 tatcagaaat cagtgtttta atattggcct ggtga 395

<210> 8022
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-H5

<400> 8022
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 tattaagaag tatgttcagt gttatggatg tgggaatcct gaaactgaga tacttatcac 120
 taagacgcag atgcttcagc tgaaatgtgc ggcttgtggg tttctctcgg atgttgatat 180
 gagggacaag ctaacgtcgt ttattttgaa gaatcctcca gagcagaaga agtcgtctaa 240

ggacaagaag tcgatgagga gagctgagaa ggaaagactc agagaagggtg aagcagctga 300
tgaagagatg aggaagctca agaaggaggc tgctaagtaa gaagaaagca gcgaccacgg 360
gtacttcgaa agacaaagtg tcgaag 386

<210> 8023
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-H6

<400> 8023

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ttgatcanna attctanggn gtttttgctc ttctcgtcgg tgaaagaaaa atcgagatgg 120
gttcaactcc gttttgctac tctatcaatc catctccatc aaagcttgat ttcacgagga 180
cccatgtggt tagtcctggt tctaaacagt ttacttaga tttatcatcg ttttccggaa 240
aaccgggagg agtatctggg tttaggagcc gtcgagcttt gctcggagta aaggcggcga 300
cggcgttagt tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatcga 360
gggttttaag ttgccggang tggaatcgga ggattggtgt ttgcttttagc ggctaanaag 420
aaaggattcg atgtgttagt gttttgagaa agatttgagt gcta 464

<210> 8024
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-H7

<400> 8024

gagtgaagat gatgaatggt gcagtgacag ccaactccctc gtctctcttg tactctctc 60
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ggttagggac aaaggtggct gtttccggtg ttatcacagc tggatttgag ctgaagccac 180
ctccatatcc tcttgatgct ctggaaccgc atatgagccg ggaaaccttg gattatcact 240
ggggcaaaca tcacaaaact tatgtagaga acctgaacaa gcaaattcta ggcacggatc 300
tagatgcatt atccttgga gaagttgtgc ttctttcata caacaaaggc aatatgcttc 360

ctgctttcaa caacgctgca caag

384

<210> 8025
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-H8

<400> 8025

cnataaattc acgggtccac ccacgctcc gtaagccatc tcatggntnc ttgcaaagtt 60
caaattgggtc gngtattggc tacaaagcag gccttgcttt tcattgtttt ggtccagtat 120
ataccgcgat tcctacgtgt cttacccttg acgtcagaat tgaaaaggac agcaggtgtc 180
tttgctgaaa cggcttgggc tgggtccgct tattatctgc ttttatatat gcttgcaagt 240
catatagttg gagctttttg gtacctttta gccttagaac gtaacgacgc ctgctggcag 300
gaggcctgta tagatgcagg gaattgcagc acagatttct tgtactgtgg caatcaaac 360
atggacggct atgctgtttg gaacagagcc aaggaatctg ttcttaagtc caagtgccga 420
gctgacctcg atgataataa tcctccattt gactttg 457

<210> 8026
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-A9

<400> 8026

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tccacgaaag gtttgatatag agatgctata acatagcaca catctccttt caataattcg 120
cttttctctc tctctcttct ttttcatgtt ttcttgttcc tgatcctct ccattacttt 180
tttgcccatc tctttgtctt cctcagcgt actcgaagga tctgtcnttt caggtcgttt 240
atgtattttc tcttgangga agagattagc cactaataca anntgtcggg gtcaacaagn 300
agtantgggt cctgcgtttc aaggagtggg ggcaagaaac caggtaacnga aatctggnga 360
atcgaagnan tttgagccan gtcncaagtn ncaaagtctg aacangggaa a 411

<210> 8027
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-F11

<400> 8027

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atgattctga tgttcgcctt ggctgggcat ctctctgggt aaatcatcaa cctttagttt 180
tcttttctct cttctctcat cagcgtaatc tttttactcg ctttaagcccg aatccgagtc 240
atacgagtaa gatgctatag catatagaac attcattcac cacacaattg tacctaata 300
tgcatctacc atctaant atctannggg acaccatcan tccntggagc aagctttttg 360
ttttgagtga agtttgtgac canngcatgg agtcctcaat tttttaaacc ggtnggcagg 420
ttggttg 427
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<210> 8028
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-B11

<400> 8028

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agcaagatgt tttttcttat aatacgcttt tggatgcaat ttgcaaangt gggcagatgg 120
accttgcttt cgaaatcctt gctcagatgc cagttaagag aatcatgcct aatgttgtaa 180
gttataccac cgttattgat gggtttgcaa aagccggaag atttgatgaa gctcttaact 240
tgtttggtga aatgagatat cttggtnntg cattaagata agagtttctt acaatacatt 300
gctttcantc tacactaaag ttggtaagat ctgaagnagc tttggntatc tgaagagaaa 360
tggcatctgt tgggattaaa aaaggatggt tgtgacttaa na 402
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<210> 8029
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-C3

<400> 8029

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tcgttagaaa cgttgctgta tcttcggatt ttgaggtgga ggaagatgat atgttcgctg   60
acggtgacga ttcagcgcct gtggagcgta actccttctc tcctgacctt aagctctttg  120
ttggtaacct ttcttttaac gttgatagcg ctcagcttgc tcagctcttt gagagcgctg  180
gaaatgttga gatggttgag gttatctatg acaaagtac tggccggagc aggggtttcg  240
gatttgtgac aatgtcaacc gcagcggaag ttgaagcagc agcctcangt atttttggga  300
tccggattca agatcctaga cctggaaccg gtaggggtcca agcccggttc ggggttcagt  360
ttcggaaaaa agaaaccggc tccc                                     384
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<210> 8030
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-C6

<400> 8030

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tgacgccatt gagaagcctc tccagcttgc tcagactgcc gccgttctcg anattcttca  180
tggattagta ggtttgggtca gatctcctgt ttctgcaact ctgccacaga taggttcaag  240
gctatttctc acttggggca tcctatacag ttttccanga ggtccgatct cattttcttg  300
ttacgtcgct ggtcataagc tggctctanca cagagattat tcgctactca ntctccggct  360
ttaangaagc tctagggctt gcac                                     384
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<210> 8031
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-C9

<400> 8031

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atcttcgagg ccatggacga tcttttcaag aaaaccggtc ttaaacctaa agacgtcgac 180
atccttatcg tcaactgctc tcttttctct cccacaccat cgctctcagc tatggtcac 240
aacaatatata agcttaggag taatatcaag gagcttcaat ctttcgggga tggggctgca 300
gcgcgggcct gatctcagtt gatctagccc ggcacttgct ccaagtncat cccaattcaa 360
atgnaantca tcgtcagnac gggagatnat aacgcctaata tactatcang ggaa 414

<210> 8032
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-D1

<400> 8032

gaactccaac atttttgcaa ttcataaagg cggaaccgg tattttgttg tgtactaatg 60
tcgctgcccg aggtcttgat ttctctcatg tggactggat tgtgcagtat gatcctcctg 120
ataacccaac ggattatatt catcgagttg gtagaacagc tcgtggtgaa ggagcaaaaag 180
gaaaggctct gcttgctcta actccacagg agttgaagtt tatacagtat ctcaaggcgg 240
cgaaaattcc tggtgaggaa catgaatttg aagaaaagaa attgctcgat gtgaaacctt 300
ttgtggagaa ttgatatact gaaaactatg cattgaagga gtcagcanaa gaagcataca 360
ngacatacat ttcaggatat gatt 384

<210> 8033
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-D10

<400> 8033

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atttaganga gataagttaa aaaaaaatg gtcggtatgg atttgttcaa atgtgtaatg 120
atgataatgg tgttggttgt ctcttggtgt gaagctgttt ctggagctaa gttcgatgag 180
ctttatcggt caagctgggc tatggatcat tgtgtcaacg aaggcgaagt cacaaaactc 240
aagcttgaca attactctgg agctgggttt gaatcaagaa gcaaatactt gtttggtaaa 300
cgtctctatc cagattaagc ttgttgaggg tgattcagca ggaacaagtc actgctttct 360
acatgtcttc agatgggtccg aancacaacg aattcgattt tgagttctta cggaacacta 420
ccggcgaagc cttacatagg tccagaccca antatctacc gtggaaccgg agttt 475

<210> 8034

<211> 387

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-D2

<400> 8034

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acgagatctc accgccgtcg gatctccgga gaatgctcct gcgaaaggac gtgcttcggt 120
ttacagtga gttcaatcaa nccgtattaa caacactctt cctttgcctt ctgttctcaa 180
aggagctttc aaaatcgctg aagggtccgc tagttccgcc gccgggaatc cagatgagat 240
agcgaagttg tttccgggtc tatatggcca gccatcagta gcaagtgggt ccagatcagg 300
atgcaccttc gtcggcaacg aaatgaagat tgggtgtgtt ttgtctggag gtcaagcacc 360
tgggtgnggc agaaatgnta atttctg 387

<210> 8035

<211> 382

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-D3

<400> 8035

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 tattttagt ggctggagag atgctgtttc ccttggcctc actcgctct ccctctcttg 180
 gtgcaagaag aatatgaaca gtttggttct atctcttgct cccaaattcg taaagcttca 240
 gactttanta ctgcgacagg acaaaccgca gcttgaggac aacgcggtgg aagccatagc 300
 aaatcactgt catgagctac aagatttggga ctttaagcaaa agctcgaaaa tcacngaaca 360
 atccctatat tcacttgcnc gt 382

<210> 8036
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-044-Q1-E1-D4
 <400> 8036

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 aagctgacgt gggcatctcc tgttttatct cccagctccc tggcttccgt ggaatcctca 120
 aacaaagata cgcagacttt attgttaatg aagtagatat ggatggtaat gtggttcatt 180
 tgacatcctt ggacttgcct cctgagatgg ctgtgaagga ggaggataaa gcgaaaagtt 240
 gtgataatgt accccaaaat tatacttctg cagttgagtc tttcaaactt atttccagt 300
 ttactgatgc agagcgtttg gaaatattga tcaatcaagt cacctcagga actgatggtg 360
 aagtcttacc agttgttctt ga 382

<210> 8037
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-D5
 <400> 8037

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 tttgtttcaa tctccttctt tactgctgca aacttccgaa aggttgatat tttcgacgcc 120
 caactgtcct ggcttcatgc gaattagctc cggacctcaa tttcgtctca gacaaaactc 180

ttctcttaaa ttctcgagac catttcaaag cggaacaact tgtgttaaata ctcgagagaag 240
 ctttgtgggt aaagcttcag cttctggtga tgcttcaaca gaatcaatcg cgccgcttca 300
 gttgaagtct cctgtgggac angtttctgt cacagatatt agtgagccat cctcatcttg 360
 ttccagcagc tgttgaacag cagct 385

<210> 8038
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-D6
 <400> 8038

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 tggatgctct ttctcaggcg atcagttccg ggatctccgt tccttacaag aacaattctt 120
 cttctctcgt tccttctcac ggactcacct ccttaatcct ccggaaatcg agatctccgg 180
 tgaatccctc atcacgatct cgcgtctcgg tgcgagcttc ggagattcaa cacagcaaaa 240
 cctcagcttc atcgatcgat ctcaagcgat ccagattggn aattaaagta tgagaaagat 300
 ttcgagcaac gattcagcat anctcacatc actgatgtct tacctgatgc tgaagccatt 360
 cgtncaacgt tttgtentaa gatg 384

<210> 8039
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-E10
 <400> 8039

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 gtcaccacca aacctcttcc gtcggatttt cactctccgt ttatcgaaca tctgagatct 120
 ctctccactt ccgtcaccga agatgcattc cagtcattct cttctcgagg agccgatcag 180
 gatggcttca atcctcgagc cttccaaatc tagtttcttc ccggcattga ctaagatcgt 240
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gcattgtctgt ggctcgattt gantttctgt gggggagatg ctgattatca ccaaggagac 360
acttgataan ttgnaagttg ccggtgangg agcacta 397

<210> 8040
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-E12

<400> 8040

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gaactggatt tccgtctcta agaggacttc gaggacagaa caccgcgnat ctacganatg 180
tctcccggtg ggcaaagac aaagatgcag aattgttacg gattggcaat gtcaagcctg 240
aagtagtcag ttgggtccct cgaattantg tgcttcacga ctttctcaag tccggaggaa 300
tgtganatac ctaaaagcaa tcgccccggc ntcgncttca agtttctnag gttgttgatg 360
ttaaaaaccg gggaanggga agttaaaaag gtgg 394

<210> 8041
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-E4

<400> 8041

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agatttatcg gcgacgggta ctgaacatga agtaactcca caaccgccgg tttcttcggc 120
gacgtatccg tcattaacgg tgcggcgctc ttacaaagag agcagcggag gtaaaagctc 180
gtcgaagagg agaccaataa ggccgagttt cgacgctgcg gctgataatg agtttattac 240
tttgcttcat ggctcggatc cagtgaaagt ggagcttaat cgactagaga atgaagttag 300
agataaggat cgggagttag gagaagcaaa cgctgagatc aaagcgctta ngttgtctga 360
gagacaaaga gagaaagctg ttgaa 385

<210> 8042
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-E6

<400> 8042

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cgctgttatg ggtagctccg ggcacgttaa ctggaaactt gcggaccacc ccaagcttcc 120
caaaggcaaa actatcggtt tgattgttct cgatggatgg ggtgaatctg atcccgatca 180
atacaattgc atccataaag ctccaactcc tgccatggat tcccttaaag acgggaagcc 240
cgacacatgg aggttgatca aagctcatgg taccgccgtt ggtctcccca gcgaagacga 300
catgggaaac agtgaagttg gccacaatgc tcttgagct ggtcgaattt acgctcaagg 360
tgctaagctt gttgatctcg ccctt 385
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<210> 8043
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-C2

<400> 8043

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ctcaaacaag tctgtcttcc tcgccattcc aatctcaatc ccagtcttca ggtgctaccg 120
ttgatgtgac agcgacaaaa gtagagacac ctccttcaac taaaccgaaa cctacacctg 180
caaaggatat agaggtggat aagccaagtg ttgtcttaga ggcaagcaaa gagaagaaag 240
aagaaaagaa ctatgccttt gaagacattt cacccgagga aaccacaaaa gaaagcccat 300
ttagcaacta tgcagaagtc tctgaaacta attcccccaa agaaactcgc ttgtttgagg 360
gatgtcttgc aaaaatggag ctggtcc 387
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<210> 8044
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-E7

<400> 8044

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aaaaaaaatt caattttgtc gttttattta ttttcctggg ttcagaccaa accagttaga 120
aacaaactcg tttttttttc acaaatttgg atttttattgt tccactgtga atgaaaggaa 180
acaaaaaaga ctcatcggag aaacccatat gggatcggag ctcatcgggt atatccatga 240
cccgacccgg tcgattaata atctgggtca tcctcttcat ctccgtcact tacatcatct 300
acactctcaa gatcgtctcc actacacacc ctgccaang atctaacctc cgagtcaatt 360
ctccaacaan gaccg 375

<210> 8045
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-F1

<400> 8045

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ttggaggatc tgggtggtagt agagtccatt atggcaggga ccattacggt ggtggaagtc 180
aatatagagg tgggtattggt tacagagaga ccatgtactg caaaccgttg acttggtatg 240
gtggctcatg tgatgcactc catttgcatt tagacaaagg gttatatgaa tctctcatat 300
gcaatactaa gacagcgaaa caatcgtcga ctgttgattt caacatgcca gagactttga 360
nacacaatgt catcaacaat aa 382

<210> 8046
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-H1

<400> 8046

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gtaagatatg gnggcgttga tgggagtcag tccgtccggg ccgagcctcc taanaattct 120

caatcgacgg gnggaatttc aggtcaatcc gacgcggcga aacaccaaca ctctgtatca 180

aatcattctc caccattatg tcaccaccgt caaaagccat cgtctacgaa gaacacggct 240

ctcccgatcc cgtcaccaga ttggtgaatc tcccgcgggt ggaagtgaaa gaaaacgacg 300

tttgtgttaa aatgatcgcc gctccgatna acccctccga tannaaaccg aaattgaagg 360

gtgttgatc ccgggtgaag gcaaccgggt ancanccggt tgggtggttat gaagggttg 420

ggtgaagttt atgcagttgg ctccaatgtt aatggttttt ctctggtga ttggggtcac 480

tccaactcca ancttctc 499

<210> 8047

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-043-Q1-E1-H4

<400> 8047

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gtctttcgcc atggctgctc tacaatactt ggaatctctg aaaaatacgc atccagagct 120

cggcgaatgg tacaattccc ttgcagatct gtatcagaaa aagctctggc atcaactcac 180

ccttaagctc gaacagttca tcgctctcg cgtctttcag gctggtgatg ctttgattca 240

gttctatcac aatttcatca ctgactttga gacgaagatc aatcttctga agcttgcgca 300

ttttgctgtg gtggtctctc gacagtactc tgagaaagaa gctgcagtta gctatcttga 360

aagcgtgatt gagaaactta gagctactaa agagcctagg attactgaac caatcattta 420

tattgaaaca caaaaagctt tattcaaacc ttgnaccaag gtgattcaga aaggagtga 480

aaaaaatcct tgggc 495

<210> 8048

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-H5

<400> 8048

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tctcagcaac gctcagcaaa gagatacgcc cagtctgcaa aaaatttatg caagatccaa 180
tggaatatata tgtcgatgat gaagccaagt tgactcttca tgggcttgtc cagcactata 240
tcaaactgag cgagatggag aaaaaccgga agttgaatga ccttcttgat gcgttggact 300
tcaatcaagt tgatcatctt gtgaagagcg tgagcagggc tgctgagctg aacaagttac 360
tggtggaatg caatttcccc tcaatatgca tccactctgg aatgtctcaa gaagagaggt 420
tgactcgata caaaagtttc aaggaaaggg cacaaaaggg attcttgtgg gccantga 478

<210> 8049
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-H8

<400> 8049

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ctgttgacac cgatgagctt actgtcgaag agagaaacct cttgtctgtt gcttacaaga 240
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naaagcanna ggaaacgatg atcatgtttc cattatcaag gactacagag gaaagatcga 360
aactgaactc agcaaaatct gtgatggaat actcaatctt ctggattctc accttgttcc 420
cactgcatcc ttngncgagt cccaaagtcc tttaacctca aatgaaagg 469

<210> 8050
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-A11

<400> 8050

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taatcaatcg ttanatataa agcagcctac atcagctact tcagtttccg aagaggagga 360
agangaaccg gaatgggtag aagtacanna ttaangaaac caatatgttc actgg 415

<210> 8051
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-044-Q1-E1-A2

<400> 8051

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gtgtacgacg tcgtctacca attcattccc aaatctgagg atactgcacg ggcaaaatca 360
ctttaatatg ggagaagcca acg 383

<210> 8052
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-A3

<400> 8052

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 aactatctaa tcaacgagct taacatacta ctttcaagga ttgttcctct gaaagacgaa 240
 gaacagtacc tttctgctct gcaacgcggc cccaacgctg gcggtgtggc agccattgta 300
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 agggcaagag ttcacacgca caggct 386

<210> 8053
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-A6
 <400> 8053

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 gaatcgtacc gtcgtattca ggggatttga agagaacagt gacaggattc aaatcaacac 180
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<210> 8054
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-044-Q1-E1-B11
 <400> 8054

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aatgtgaagc tgcaacaaaa gatcttaaac aactaaatga ttctactgaa ggcagtgctt 360
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gaagctgcta ca 432

<210> 8055
<211> 384
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-044-Q1-E1-B2
<400> 8055

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aacgctgatg tgccgccata tcttgacatc ttgactccc ctacagctcat gtcttctcct 300
gcacaggttg aaagatcagt ggcttataac gagcaccgac cgagaactcc tccaccaaga 360
cttgccatct atgcttcttg acgg 384

<210> 8056
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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-044-Q1-E1-B3
<400> 8056

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ctcgctctga cactttctac acttctgaag atttaagatg tgtgtcctct gaagtttcca 240

gtgatttttac tattgaagtg tcaggaagca gatattttct tcacaagttt ccactgctct 300
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<210> 8057
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-044-Q1-E1-B6
 <400> 8057

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 ggagattcta gtgtcgatcc aggaacaat aatttcatta aaaccgaaat gaaagggaat 180
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<210> 8058
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-044-Q1-E1-B7
 <400> 8058

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 gagctggcta agagatcccc tgaaccgcat gattcttccg aagctgattc tgctgagaag 180
 ccaacacaca ttcggtttct tgtatccaat gcggcagctg gttccgtcat tgggaaaggt 240
 ggctcgacca tcaactgaatt tcaggcaaag tctggggcaa ggattcagct ttcacgtaat 300
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gttgtcaatg gactggaacn tatcctt

387

<210> 8059

<211> 384

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-044-Q1-E1-B8

<400> 8059

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tcctttctct tttctcgacc caagaaatct ttggtgagac ccatttcagc ttcaagctca 120

gagttgccgg aaaatgttcg gaatttctgg aaatggctca gagaccaagg agtcgtatcc 180

gggaagtctg tggcagaacc tgcggtggta ccggaagggt tgggacttgt agccaggcgt 240

gatattggaa gaaacgaggt cgtattggag attcccaagc gattgtggat aaaccagag 300

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<210> 8060

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-044-Q1-E1-C12

<400> 8060

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gtcggccaac aatcttcact cagcaattct gtcagatgga ttcagatgca gagctctacc 180

gacctggacc tgaagtcgca gctgcaagag ttaattccgg aacagcagga ccgtctgaag 240

aaactgaagt caagaacatg ggaagggtcca actgggaaac atcactgttg atatggttat 300

tggtggaatg agagggatga ctggattgct ttgggaaacc tcattgcttg acccggaaga 360

gggtattcgc tttaggggat tgtcgattcc tgagtgccag aaagtattac ctacnggcca 420

agtctggagc ttnaaccatt acccggaagg gtcctttn 458

<210> 8061
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G9

<400> 8061

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aagccaccgg tttctccgcc cattcanctc gtcactgtgt tgctctccgc cgttccgggt 180
accggagtat ctttctcagt cgtcttcctc tccggcgctg cgtccattct ttgttcaccc 240
tcccactttg atgaaatggg gtggaggaag tagaanctgg ttttcgaacg aagccatggn 300
cactgattca aattcagggt taattgatgt gccactagct caaactgggg gaaggtattg 360
ctgaatgggtg aagcttctca angtgggttt gtcanangcn nggagattcn gttggnaaga 420
gtttcagcca ctctgtgaag ttcaagagcg atanaagca 459
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<210> 8062
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-B5

<400> 8062

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atctcatcgg acgaaaaatc ggccggagag aagggtattca atcaacgtcg cagttacact 180
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caccggagcc ggttttagtgt atgtatgatg acgtaataat acttacgtat tacgtaaacy 300
ttctatatat gtagtttgtg tgtaaataa gatgtaattg ggccgatgct gaaaccaatt 360
ttaanacaac tctttattgg gcctgggggt taaggaaaca cttcgtgccg tttaaattcn 420
gtactcacct aatgcaacc tagaaactan gc 452
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<210> 8063
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-B6

<400> 8063

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 cttcgagtgt tttttaaaagg tagttccttt gtcgctgaag aaacatagtt tcaatttttag 180
 agcttcttga aacttatttt cttatctggc tcaatcttga gagttttgag attctgtggg 240
 agagacaatc ttaggggtttc tgcacttagc aaaagtttga atctttaaat atcttttagc 300
 gtttgcgatt gtgttattgc ctctgttctg tgttcaatgg gaatcttccc ttttgggaca 360
 gaatgattct cttttctcgt ttttaagnatt cctcggttc 399

<210> 8064
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-C1

<400> 8064

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 atgcagctta agatactcaa cacggttttg ttcccggttc gttacaacga caagtactac 180
 gccgatgcaa tcgctgccgg cgaattcacc aagcttgcatt attacaatga catatgtggt 240
 ggagctatcg cctgtcggct ggagaagaaa gaaagtgggg ccatgcgagt ttatataatg 300
 acgcttggtg ttcttgacc ctaccgtggg attggcattg gctcaaactc attgaatcat 360
 gttcttgaca tgtgctcaa gcaaaacatg tgtgagatat acttgcattg gcagacaaac 420
 aacgaagacc aat 433

<210> 8065
 <211> 423

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-C3

 <400> 8065

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 agaaactctt gctgttcggg ctagacagta caactcaaca gggcagactg aactcctcac 180
 tgactggaaa aagattttca gccgggcata ggtttagatc ttccataatt atctccttcc 240
 gatactctac accgagtttg atgctggcaa cttctatgtg attcccggat ctctgaaga 300
 agtatgtaaa gcanagaatc tatagtttcc tccacagaaa gatgatgtgg tcatttccat 360
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<210> 8066
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-C4

 <400> 8066

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 ntcctgtgta aacggtttat tttcttcant ggaagtatat ttttttgcn tgattaattt 180
 ctgaaaagag ggatgaggac taaaaatgca tcacgagtaa taataacaaa ttgtcgcgatg 240
 tctatccttg tcatttttgc tgcaaaagta gtatatcact tccgctcatc atttccatat 300
 ataattgctt atagtgactt attcacaaaa agaaaaaaat tcataatcct tctttatata 360
 atttgaaccc aaggaaaaac gtcntcttta atctttacaa aaacaaa 407

<210> 8067
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-C6

 <400> 8067

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 gatcctcgac gtagccaaca acaccttaca aggaccttgc cgtgctttct tagccgactt 120
 agccgcggtg gacgctaaga gaacgcgagt cgcaaacgcg tttttctctt tttttatggc 180
 ggttggaaac gttttgggtt atgcggtctg ttcgtacact aacctccaca agatgtttcc 240
 gttcacaatg acaaaagctt gcgatatcta ttgcgccaat ctcaagactt gtttcttctt 300
 atccatcact ctctctctca tcgtcaccgt cacgtctctt tggtagctta atgacaaaca 360
 atggtctccg ccgccgcgaa atgccgacga cgacgagaan actc 404

<210> 8068
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-C8

 <400> 8068

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 nnnnnnnnnn nnnnnnnaag atcacactac ctcgcacaac aatggagtgc tgggggtgtg 120
 aagttaagaa nggcaaacna cttcacctag atcctgggct aganaggctc gtgcacatct 180
 ctcaggttgc tttgggagag agtangaata atgtaaccga nccaatccag ctttacgtga 240
 ctgttgatc ggatangctt ctcatggaa cgctatctca tgataagttt cctcaanctg 300
 tctacggaga ttgtcttgga aaggaacttt gcgctgttnc atacttgga gaanggaag 360
 cgttttcttc tctggttaca aggttgatgc anctgaatgc cgaagcct 408

<210> 8069
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-042-Q1-E1-C9

 <400> 8069

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 ggtttgatca tttctctctt gagaaccaga gtggtttgtc tcgtttggag gcaaacgatg 180
 aagatgggtc tgttcaatcg ggtagtccag gatggatcga acctagctcc gatgttcctt 240
 atggtccgaa gcattttagt gagttatggt ctgattcaag cagtgatcgg cttgatgatc 300
 agaggttagt ggatgatgat gtgaataacg agatgggtat agagagaaac gaagtgggta 360
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 aa 422

<210> 8070
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8070

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 tcgtcgtctt cttcatcaaa tttttcgaga atgagtttag attcgggtcg ggttcacggg 180
 tcgagtacac cgagatgggt tgagttttgg agtgacgagg cggttgatcg tcggaggaga 240
 aactctgctt cttctatgtc gtcgtcacac tttcatcgc cggagagata tttagattta 300
 ccaagatccg agacaccgaa atgggtcgac gattacgtga accggatcgg gtcggtttta 360
 agaggaggcg ggtggagcga atccgacgtt gatgatattg tacacgtgtc agcatctggt 420
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<210> 8071
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-D12

<400> 8071

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cagtctatgc ctcatgatgc acaccaatg ggagttcttg tgagtgcaat gagtgcgctt 180
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caagttagag ataaacaaat tatccgcatt attggaaagg gcaccagcaa tngcagcanc 300
tgcttanctg aggatggcag gaaggcctcc ggtncttctc tcaggaaacc ttccttaang 360
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g 421

<210> 8072
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-D3
<400> 8072

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acacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nngagtctcc ttcgcgatcc gcgccggtgc ttactccgac gagcttgta 240
aaaccgcaa aagcattgca tccctggga gaggtatctt ggagatcgat gagtccaatg 300
caacctgtgg gaagaggctt gcttctatcg gcttggataa caccgaggac aaccgtcagg 360
cctacaggca acttctgctt accactcctg ggctcggcg attacatctc tggt 414

<210> 8073
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-D4
<400> 8073

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gctgtaaatg aaggatgtag aggtccaagc atgtgggacg tatacaccaa gaaattccca 240
cataaatgta attatcacia tgccgacgtt gctgtcgatt tctaccatcg ttacaaggaa 300
gatatcaagt tgatgaaaaa tctgaacact gatggcttta gattttccat tgcattggccc 360
agaatattcc cccatggtag gatggagaaa ggaataagca aaagcangt 409

<210> 8074
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-D5
<400> 8074

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tttggaattg tcgataaacc tcttgtcaat ctcgagcgat taagattatc cactttgaag 180
attagagcat caaatgctac tgctgtggag aatggaaagc aagaaggaag tgctgctgat 240
tctgataaag ttccaactcc agttgttata atcgaccaag attctgacct tgatgcaacc 300
gttcttgaag ttacattcgg agatcgtctt ggagctttac ttgacactat gaatgcgctc 360
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aacaattgc cat 433

<210> 8075
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-042-Q1-E1-D6
<400> 8075

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caggaccaac ttcttttggc cccatcattg aaatggcaat gacagtgggt gagcagagta 180
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 ccgaacacgg gcggctaagt ccgcaagaac agaagacagt agatgcaatt gtgaaagcaa 300
 gtacccttcc tttgtcaata gtcttagttg gggtcgggga tggaccatgg gacatgatgc 360
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<210> 8076
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-042-Q1-E1-D7
 <400> 8076

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 aaagcaatga ctatggatgt tgattttata gtctatgcgt tgggggttttc taattctgtt 180
 gaagtgcagg gtgaccagat acgcaagcgt gacaagtggg ctgactggat tccctgcatt 240
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 acaagcgggg ataatttttg aaacccttca aagggttctt caaagcctac cgtgtccgat 360
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<210> 8077
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-B2
 <400> 8077

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 cttgttgctt ctaaattctat tggagctgag gatattgtga tgctcaacaa tggctgcctt 180
 tgttgactg ttaggggtga tcttgtcagg atgattggag aattagtcaa taccaagaaa 240
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caaacctttt atgccgagga agaaattttc aatgatgtca aactggacgg tgttggtact 360
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<210> 8078
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-G10

<400> 8078

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gatggnatca ggaagacnat ctactctaaa ccccgacgca cctcttttta ntccggcagc 180
tgtacgacan gtggaagatt tctcaccgga gtggtggcaa ttggtgacaa cttcgacttg 240
gtaccctgat tactggatca gtcagcagca gcanggcgcg gatggtntct attacaacgg 300
nagaagaang agaatggtgg aggtcatatc gatgtagctg gatcntctc cagaatcatt 360
tgattttgat gnanagtgn agatttcttt gacactggnt gctgccg 407

<210> 8079
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-G12

<400> 8079

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gctgctacaa tccatggcag tctacgaatc gtttcaaatt acgaacacga gacagttcct 180
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<210> 8080
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-041-Q1-E1-G2

<400> 8080

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 attatataac tagagacact ggaaattcca gccgcggtta catgcgatgc acaatcaatc 180
 agatcccatg cactgttgat cttctatcta catctggtat gcaactggca ctaatagtcc 240
 aaccaatggc gctttctcat ccactgaag agcctatcca agttgtggac tttggtgaga 300
 gtggccctgt tagatgttca cgttgtaagg gctacgtgaa tcctttcatg aagttcattg 360
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<210> 8081
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-041-Q1-E1-G7

<400> 8081

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 tgtgaaattg tagaaacgaa tttcacattt ttttttgaag aaatgacgac gcagatattt 240
 cagttgccgt taaagtactg tgcttcgagt ttttcttcca ccggccaacg gaattacggt 300
 gcttcttctt cgccgtctcc gattgtaatt tgtaagagta atggaatttc cgatgggtctt 360
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<210> 8082
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-G8

<400> 8082

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tttcctatgg atttggatgc tctcaaagaa ggaaagaaaa gtaaagaagt acacagaagt 120
caagaaacaa aaggatccat ccgaaacaag taaaaagctg attactttcc atgggtgatct 180
tccatactct tcaactgagc tgattgagaa gctagagtct cttgacgagg aagacattgt 240
gggttcggga ggatttggca cggtttatcg aatggttatg aacgatcttg gaacctttgc 300
ggttaaaaag atagatagga gtcgacaagg atcagaccga gtttttgagc gagaagtana 360
gatttttaggt aagtgtcaaa cacatcaaat cctaagtga actacgttgg atactgccgt 420

<210> 8083
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-H3

<400> 8083

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cttctcactc tgttttcggt tagagagatt ttgcagagat gtcgagacga gcaatgggtga 120
taaagatgcc aatacttatg atactgattt catcaatggg gatgacgatg gtcgagtctt 180
cgagatcagt taataatggg catgacgatt ctgagatctt acgaagacac ttgctcacta 240
atggcctcgg agtcactcct cccatggggg ggaatagctg gaaccatttt agctgcaaca 300
tagatgaana aatgatcaaa gaaactgctg atgctttggg taccactggc ctctctaagc 360
ttggctacaa ctatgttaac atcgatgatt gctgggctga aatttctcgt gacagcaagg 420
gaaatctggt gccaaagaag tcaactttcc cttcnggaat taaagcggtt 470

<210> 8084
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-041-Q1-E1-H4

<400> 8084

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gcagttacag atactgaaag tctcatctt ggggaaatta cttgtggtac cttacttgag 180
aagttgcagg aaatctggga tgaagttggt gagagtgatg atgaacgaga caaactgctt 240
cttcagatag agcaagagtg tcttgacgtt tacaaggaga aaagtcgagc aggctgcgaa 300
atccccgagct gagcttcttc aaacctgtc aaatgctaan gcgngaactt tccancctca 360
naaggtctct tgggagacaa a 381

<210> 8085

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-041-Q1-E1-H5

<400> 8085

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angcctctca tcacgatcca acatcatcac tcgtcccttc nccgccgctt tcagccgatt 120
aatctcaang gacacaactc cgatcacaat cgagacttcg cttcctttca cagctcactt 180
atgtgatcca ccgtcacgct ccgtcnaatc ancgagtcaa gagcttctng atttctcag 240
aancatggcg ttgatgcgac gtatggaaat cgcagccgga ttcgctttac aangcgangc 300
taatccgagg gttttgtcat ctctaggacn gccangaagn tgtaactata ggcattggaag 360
ctgcgattac nnagaacnga acgcgattat tactgcttag cgtgatcact gtagttt 417

<210> 8086

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-041-Q1-E1-H7

<400> 8086

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 tgggtgtaaag cgaaaattaa gtaccgagtc agatgttcat gctcttcaca aagaactgga 120
 tgaggtttca tgtcctgttt gcatggatca cccacataat gctgttctac tgctgtgcag 180
 ctctcatgac aaaggttgca ggtcctacat ctgtgatacc agttaccgac attccaattg 240
 ccttgaccgg tttaagaaat tgcattctga atccgcaa at gaccctactc ccgaggcgaa 300
 cttggcttca agggaaacata ataacgaatc tctatacgag catgggtacag ncagtcgaag 360
 cagttttcac cgttgagtc gggaaaccga aggtccttc cttggggatt ccgaatcaac 420
 tgaaggaagg acgaangaga anttnnaagg aaacaagttt nagntcaaca angataatca 480
 caaaattttg gaat 494

<210> 8087
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-H9
 <400> 8087

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 tccgncgaac aacagagttc cgtaggcttt gtgaaattat aagaaatcat ttggcaaacc 120
 tgaacaagta cagagaccaa agggaccgac ctgacttatt agcccctgag agcttgcagc 180
 tgtatctgga cacaagggtt gatcagttga aagttgctac tgangettg actttggcag 240
 gaagcttttc gctctgttga agatatctat ggattaatgt gcatgggnca aaaaaacgcn 300
 caagtcattt ttattggatg gtttantatt ccaaattgac tganatcttc cngggatttc 360
 ttcctaagcc atctttatca agcttatgca tggtttaagc ctgtttangt ctgcagaaaa 420
 natttcaaca aagaatttta agccaaaagg gattttgcat cctaataan 469

<210> 8088
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-A10

<400> 8088

gaagaanaag atgaacgatg cggatgtgtc aaagcagata cagcagatgg tccggttcat 60

ccggcaagaa gnagaanaga aagcaaacga gtatctccat ctccgccgag gaggaattca 120

acatagaang acttcagctt ctcgagtctg ccangcgtaa gctccgtcaa gactatgacc 180

gcaagctcaa gcaggttgat atccgcaagc gaatcgacta ctccacacaa ctgaatgcaa 240

gtaggattan gtaccttcaa gctcaagatg acgttgtcac tgccatgaaa gactccgcag 300

ctaaggatct tctccgtgtc tccaacgaca agaacaatta catgaagctt cttangagt 360

ctcatcattg agagtttgct gcgcctgaaa gagccatcaa ntgctgctgg anatgcaaga 420

gaaattg 427

<210> 8089

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-A11

<400> 8089

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aaatcagact caatcattgt cacctctga tgtttctcga gttggttatc aagcacccat 120

ggggggccat ggagcgccag atagcggctc caatgatcaa gataaatcaa ctgaagattc 180

ttcagcggat aagtcagatg gagaatctca atcaagtttg gaaaagggtt gtgataatga 240

tcttggatcat cctctataag atcaagacgc accgtcatct tctcatgca atggaagtaa 300

aggtttcctg tctcaccaaa ttgacaccaa agacctgaag gacaacgacg cgtacaactt 360

ttatcagtct gttgatggtc agcacattan cttcacact ttgaatgtga agtgccttct 420

gcatca 426

<210> 8090

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-A6

<400> 8090

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gattgggtat ctgtaacgac ttctgaagga gatgatgagg ttgaagatag gagagacttt 120

gcggatagat catcagagga ttttaagaaag tcgagaatgg gatctctaca aaatcatctc 180

tctgaggatg gattcaatga gagtgaagtc cctgaacaag cttctaacac cgagctgaaa 240

gatgatcatc aaatgtctgg aagcaacttt aaagcgcaaa agtcattctt ctcgctctcc 300

acattccgcg gcaaaggaaa tgattcgaag ccaagataga gagcagacac agaaagaaga 360

aacttgatg tggatcaagt tgcgtgangt aaagagagaa aaagagacag 410

<210> 8091

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-A7

<400> 8091

gaaaggtatc ccatttgcta aagatcaagc aatgggtggt tacagctcca tttggaatgc 60

agatgattgg gctacacaag gaggtcttgt taaaactgat tggagtcacg ctcctttcgt 120

tgcttcttac aaanaattcc aaatcgatgc atgtganatt ccaacaacta ctgatctaac 180

caagtgtaat gganaccaga anttttgggt ggatgaacca actgtctctg agcttagcct 240

tcatcagaat catcatctta tttgggttcg aagctaata tatnatttat gattattggt 300

ttgatgctac taggtttcct gttactcctc ttgaggtgcc aacatcatcn gtcatttgta 360

gttnatagat tagtctngag taanaatggn tcanganaac acatgtggtt tatt 414

<210> 8092

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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cctgatttta anggtcttcg tgtggtnitgg ctgtctttgt tacagttcta catcaaccac 120
 aaaatcgaga taagtttcaa ccaagagcta aggcgtgtgt gtttcttggt tatccaccag 180
 gtgttaaggg ttatcgactt ttggatttgg naaccaatat catatacntc tcacgcaatg 240
 ttgtttttca tgaagacatt tttccatttg ctaaaagtgg atctactgtn cttccngant 300
 attttgctac tgaaacatcn aatgttgang catcntctac ngaagcatct acntctgaag 360
 cacctgcagt tgtgaatgat tctgtcactc catccaaaat caancct 407

<210> 8093
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-F6

<400> 8093
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 catgcgcgca ttggctgcag taattcagca gtgcttcaac gaagcagttt gtgggttctg 120
 gtgttcttaa tctcttgcaa agtcaggcta aagcgatggc tggtgataat tcagtgaggt 180
 cattgttaga gaaaatgacg gagtgtgcaa gcaacgcata cctaagcata ttggaaaggt 240
 gggctctatga agggatcatt gatgatccgt atggggaatt tttcattgcc gangaacagg 300
 tctctcaaaa aggagagcct cagtcaggac tctacagcta aatattggga gccaaagata 360
 cagccttaag gatactattc ctggnntcnt ancaaacatt gctgcaacaa tattga 416

<210> 8094
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-A6

<400> 8094
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 acacactctt ggagccgtac aggaagaagc aaatacctct caagatcact tgcaatgcag 120
 ttatgggtggg ttcaagatat gagctggagg tcaatgttca taacacatct agagctaact 180

tagccaaaaa cgttgtccag gaagacgaaa aacgtgatct ggggttgctc cagaaactct 240
 ttagtagatg tgttgtttct gcagatagca accgtgggtt gaaaggtagt ggaaatgaag 300
 ggatcggatt caggagttgc tttcttcctt cgtttctcag ttcacaatgc agagacagag 360
 aaacaagata cgaggattct accagtacac tactcagaca nctatttctc actag 415

<210> 8095
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-A9
 <400> 8095

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 cggcgcagaa caaggtcacg atctccatcg aaaagtaagc agcgagtcag tggattcgat 120
 atggcacctc cagcctctgc aatgttagct gctgggtgctg ctgttacagg ccaagttcct 180
 cccgctccac caactcttcc tggggctgga atgtttccca acatgtttcc attgccgact 240
 ggacagtcac ttgggggact ctctatgatg ccaattcagg ctatgacaca gcaggcaact 300
 agacatgctc gcagagtcta tgtcgggtggg ctttccccta cggcaaatga acagtctgtg 360
 gctacatttt ttagtcaaag ttatggctgc tgttgggtgga aacactgctg gtccaagtga 420
 tgcagttggt aagtgtcnac ataaacc 447

<210> 8096
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-B9
 <400> 8096

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 ttaaggagca gactggagaa tcaaatgtaa ctgaggttgg ggaggcggat aacacatgtg 180
 ttgttcctga cagagaacag tacaataaac gaagatttcc cagtggatta tgcaaatgcc 240

atgttcttta tcatcaagtc atacagtga gatgatgtgc acaagagcat taaatataat 300
 gtttggggct aagcacacca aatggaaaca aggaagcttg ctgcagcata ccaggaagct 360
 caacagaaaag ctgggggctg tcccatcttt ctgtttttct cgggtcaatgc aagtgggaca 420
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<210> 8097
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-C10
 <400> 8097

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 agtctcttcc tttttcttcc tttctcgggtg gaatttgcag caatggaaga taaaccatta 180
 gggattctca gggttcatgt caaaagaggg attaactctg ctattcgtga tgccaccacc 240
 agtgatcctt atgttggtat cacattggct aancagaaac tgaagacgag tgtgattaat 300
 aataactgta atccagtgtg gaacgaacaa ctgacccttt ccatcaaaga tgtgaatgat 360
 cctatccgtc tgacgggtgtt tgataaagat agattctcgg gagatgacaa aatnggtgat 420

<210> 8098
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-C12
 <400> 8098

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 ttcgactgga gccatttcca ctgatatgga agatgacata gacgtgcaag aggaaagaga 120
 cagggtgatt tcgggggttg cagacaacac gatgctctac ttacagaacc tgaggaaggt 180
 ctatcctggt gacaaacatc acggcccaa agtagctgta cagtctttga ctttctcagt 240
 ccaagcagga gaatgttttg gctttctagg gacgaatgga gctgggaaga ctactacctt 300

gtctatgtta tctggagaag aaactccaac tagtggaact gccttcatct ttggcaaang 360
acatanntan ccaatccena agctattcgt cagcatattg gctact 406

<210> 8099
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-C3

<400> 8099

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ctgaatctca gagcaaccct tctccgaccg agtctaaggt atgttcagat taccttctctg 120
tctttaagta catcaatgac atgttgatgg aagaagatct tgaaggtcag tcttgtatgt 180
tggaagacag tttggcttta caagccgcag agagatcttt cttcgaagtg cttcaagatc 240
aaactccaat ctcggtgat ctagaggatg gttctcttgg aaacttcagt tctataacga 300
gtttgcatca acctgaagtt tcagaggagt caaccagaag gtatcgacat anggatgatg 360
atgaagatga tgatcttgaa nagtggaagg aaatcgaanc tccttgcgat ttctacggtg 420
gatgagttag canagaagtt tgaaggaagt gtttg 455

<210> 8100
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-C4

<400> 8100

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cgtgtggaat ataaggctaa tctccacca cctactactg ttgattatan aactanagac 180
actggnatt ccagcccgcg ttacatgcga tgcacaatca atcagatccc atgcactgtt 240
gatcttctat ctacatctgg tatgcaactg gcactaatag tccaaccaat ggcgctttct 300
catccatctg aagagcctat ccaagttgtg gactttggtg agagtggccc tgttagatgt 360

tcacgttgtn agggctacgt naatcctttc atgaagttca ttgacnaatg aatgaagttc 420
 atatgtaact tgtgtggata cactgatgag acccctcgt 459

<210> 8101
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-C5
 <400> 8101

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 ccgtgcgatg ctacattagg acctgagttc aggacgcaaa gacaaaacga gtttctgctc 180
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 aggtcattgg atttgatcaa gaacaacttg aaagaagttc agagaaactt ggagatttgg 360
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 agagaattct acgttgctcg a 441

<210> 8102
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-D3
 <400> 8102

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 ttagctccgg tcaccagtca gcgaaaagta cggaacgatt tggaggaaac attaccaaaa 180
 ccatacatgg caagagcatt agcagctcca gatacagagc atccgaatgg aacagaaggt 240
 cacgatagca aaggaatgag tgttatgcaa caacatgttg ctttcttcga ccaaaacgac 300
 gatggaatcg tctatccttg ggagacttat aagggatttc gtgaccttgg tttcaacca 360

atttcctcta tcttttggac cttactcata aacttagcgt tcagctacgt tacacttcc 419

<210> 8103
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-E2

<400> 8103

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aacgcgtaag aacctgccct tgggagggga acaacagctg gaaacggctg ctaatacccc 180
gtaggctgag gagcaaaagg aggaatccgc ccgaggaggg gctcgcgtct gattagctag 240
ttggtgaggc aatagcttac caaggcnatg atcagtagct ggtccnacag gatgatcagc 300
cacactggga ctgagacacg gcccanactc ctacgggagg cagcagtggg gaattttccg 360
caatgggcga aancctgacg gagcaatgcc gcgtggaggt agaaggccta cgggtcctga 420
acttcttttc ccagagaaga agcaatgacg gtatctgnng aataagcatc ggc 473

<210> 8104
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-041-Q1-E1-E5

<400> 8104

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ttctctctcc caaacgagct ccagagact tttacaaggg aaaaaactgt aaacctcctg 180
gtttccacac tcgtaaagct gaaaccatat gtatctcagt gccctttaga cgtcaacaaa 240
acaaacgagt caactgaagc ttccaagtga cgaagttaga agaaacatgt ttttaacttt 300
gaagtcttca ttaagcttaa agttaaggac tgtgttattc tatcatcctt agatatcttt 360
tgttactcaa aagatanggg c 381

<210> 8105
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-F11

<400> 8105

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gccgttcatt cgactgaccc caagaaatct acccaatcag cctccgcttc ggttaaattg 180
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a 361
  
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<210> 8106
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-F12

<400> 8106

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aagctatttg gaatcacctt gccggacctt aaaccattca tttctgggca ccaacgttca 180
agtggggtat tagcattgcc aacattgcag actttgcca acctccagag aaactttcct 240
atcctcaaca aatcgcggtt acatgcactg gtgttatttg gtctcgttac agcanggtaa 300
tcaatccgaa aaactggaac ctcttcagtg ttaatgttgc tatggcangg acaggcatat 360
accagcttgc tcgtannata nnacacgatt atgcaaccga aagctnga 408
  
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<210> 8107
 <211> 421
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-041-Q1-E1-F4

<400> 8107

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cgttcggtaa gacatcgaag gtttcggcgt caactgaagc cattcacagc gcaactcgcc 180
gcaccgatgt agccaacgac gccggagttt cgtcggatat caccacgaag aaacctgatt 240
ccgataaatac tggattccccg tctctatctt cctcatctca aacctggctc cgaagtgttc 300
gcggtccgaa tcgtaaccct aacagctccg gtgatgtagc aatgggtccg ccaccgccac 360
cgtcattctaa acggacgcaa gaggaagang aggaggatga aagaagttta tgatggggac 420
c 421

<210> 8108

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-041-Q1-E1-F5

<400> 8108

ccacaacaat gcctcgctta caatgcctaa caatggcgac ttcactaatt ctgctgcttc 60
aagctctgag tttagtgage tcaactattc tgtcccgggc cgatcggatc acccgtttac 120
ccggtcaacc ccgagtcggg tttcagcagt actcagggtta tgctactatt gacgagaaga 180
aacagagagc tctgttttac tacttggttg aagcagaaac caaaccatc tctaaacctc 240
tcgttctctg gctcaatgga ggacctggat gttcatcatt aggtgttggt gcattctctg 300
agaatggacc tttttagacc aaagggatca atcttggtga gaaatcaaca cagctggaat 360
caagaggcta atatgttgta tcctggagac acctgttgga gttggatttt ctt 413

<210> 8109

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-041-Q1-E1-A5

<400> 8109

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aagctccata nctatggang acgaaaggac gatacctacg atattgatga cttgaaacca 120
gcttcctctt ctctctcttc gtcgtcatcc gcagtagatt acgacgatca cgagctcaaa 180
gactttaagc cgcgacgggt atcacncgtt gcaatctecn ttgtttacga cgaatcagaa 240
acaagagaag cttgttcact tcattccgat tctcactctc atctgcttta tcctccttta 300
cctcacttct tacgctccgt ctcaatcana ttgggtcan gtttaatgga ttcattgcgtc 360
cttcnangac atcnanantc atccgaacga aaatggggac gaaaattttc tgggatttta 420
g 421

<210> 8110

<211> 375

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-A9

<400> 8110

acgcgtccgn acttgctctt ggncgctacg gtctcgcat cngttccagg gctcatcgaa 60
ctcgtcgatt cgaaaaccat ctttggaac gtagccgaac tcttagagaa agagaaactt 120
tccatcaact acgccaactg cagaagcngg caccttggtg ttgagacctc taacatcata 180
nacttcgaca cggtgcccgc aaattgcaaa gactatgttg angactactt gatcacttcc 240
aaacagtacc aatacnactc caaaaccgtg tgcanagagg cttatttcna tgcnaaagga 300
cttgccctaa agaacgacac cgtcaatgtt tggatctttg acctaagatg ataccctcct 360
ctcnaagtat tccct 375

<210> 8111

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-B11

<400> 8111

cgcgtccgna aatTTTTgtt ttttcttcgg tgagacgaag aagataccat gggtcgacct 60

cccagtaatg gcgggtccggc gtttcgattt atcctgcctg aggtaacgga gatggaagca 120

atTTTgctac agcataatac agcaatgcc a ggTCgacata ttcttgaagc tcttgctgat 180

aagtttagtg aatcacctga gcggaagggg aaagttgttg tgcagttcaa gcaaactctgg 240

aactggtttc aaaataggcg atatgcttta cgagcaaggg gaaacaaagc tcttgggaag 300

ctaaatgtat cttccatgcc gcgtatggat ttaccaaatac agatgagaag tgtgattcaa 360

ccattatcaa gttccctaaa accactcata tgactgggaa tttaccggca tgacgcctgg 420

ccccttctgg t 431

<210> 8112

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-B3

<400> 8112

ccccgggtcna cccacgcgtc cgaactggaa aacacaaaaa cagacgccac gatggatgaa 60

tgatttcgca aatcgtcgag atTTTggaat tcgatgaaga gcgtatcaac ctgggctttg 120

tctttcttct ccgacgaact ttctcggcga gctgtttccg attgttattt atggaccacc 180

gcgatttcgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnaaggata tccaaactag tctctgatga agatttgaaa 360

tttctgatcg aagaatttgg gaggaggaaa caaatgattc cacggagata tgggaacatg 420

ttattcacia aagcaacgat ngca 444

<210> 8113

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-C10

<400> 8113

ctgtttacgc tgnccggtgc cggtcacaaa ttcacgggtc caccacgcg tccggaggtg 60

gtgaaaatgg ctcgaaacga ctccgatct acgtcgccgt ctaccgccg acggtactct 120

cgctcgctg tgactcatcg tagcagccgt cgtaccangc gcgaccgan ccgctcacc 180

tacacatcaa ggcataagaa tagcanatct cctgcaccaa ggcaacacca aagggatana 240

agtagttcat tgtctccttc cgagcataga attgcgattg aagtgaagaa agaacaggaa 300

gacaaggcaa gattgcagca tgaggcggag ctcaagcgac tagaagaaga gactgcacag 360

cggattgagg aagcagtaag gaaaaatgta gaggaagga tgaaaaccga agaagttaa 420

gaagaaattg aaagacggnc aaaggaanct tatgagaaga tgtttcctga cgtggg 476

<210> 8114

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-C2

<400> 8114

cttgccgccc ggtcnaacta accgggtcna cccacgcgtc cgcaccantt cacggatcaa 60

tctgtgttt gaaacaatgg gtgttgaagt tgtaaactct ggtggatttg aggttgctcc 120

ggctcctttc gaggggaaac ctgagaagaa cggaagctg gaccaaggaa aaggagatga 180

tgcccccatc aatttttggtt cagtcggtga gctaccaaag aatgccgaag agaataataa 240

caaagtggtc aactctgatg caccacaaaa tgcagcagaa gagtggcctg tggctaagca 300

gatccactct ttctaccttg ttaaataccg ttcttacgct gacccacaaa ttaaagctaa 360

gcttgatcta gctgataaag agcttgaaaa gttgaacaaa gctcggactg gagttttgga 420

caagttgaga gctaagaggg ccgagagatc agagttattt gatctgctgg acc 473

<210> 8115

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-C9

<400> 8115

gcacgcgtcc gnaattctgg tccttcgata atggcggcct cctgcttcgc aattccctta 60

tcttcttctt ctcgatcgtc tcacaatgca attcccaaatt acaaaaccct aatcnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nactcttctc tttctcgtcc ctttgnagct caaccacttc aaatcaaggt ctcttcttca 240

gaattatcag ttctcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn gtgtcgtctc caaagcagaa ccagtaaaga aaccgagacc ttgcgaagct 360

ctacgtgtgt aatataccta gaagctacga cattgctcaa gcntcttgac atgtttcaag 420

cttttgggaa cng 433

<210> 8116

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-D11

<400> 8116

ctgttacgct tnccgtgccg gtccaaaaat taacgggctn acccacgcgt ccggtttttg 60

tttctggttt aataggagta aacaagcctg aaagagatta caacatacaa ggatcatcaa 120

taaacaaact ctttaccata acaggagcag ctgcaaattc agtttttcgca ttcaacacgg 180

gaatgctccc ggaaatacag gccacggtga agcaaccggt cgttaaaaac atgatgaagg 240

ctctgtatct tcaattcact gttgggtgtt tacctatgta cgcggttaca ttcacgcat 300

attgggctta cgggtcctcg acatcgactt atctcttaaa cagcgtcagt ggacctgttt 360

gggtcaaagc actcgctaac atttcangct tttctccaat ctgttatctc ttacatatt 420

tttgcaagtc cgacttatga gtanatggga 450

<210> 8117

<211> 487

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-D3

<400> 8117

ctgttacttt gccggcccg tccaaaataa acgggtcnac ccacgcgtcc gcnttcntct 60

ctctctctct cgtttggatc tggccgttga ttttctcccg acggcgataa gtttgttgca 120

tgaacgccgg tgatggcttc tgtttgcgtc aacaatgtta ctgtttctca ggattttcct 180

acttacggat gtttcaatcc acgagcttct ttcagccgtg acgacggtgg tcggagtctt 240

ggatccgtcg catcggagat tccgaaggag gaaacagcag tcggagctgg tgatttcgag 300

tttaggttag aggaggatcc agtcggaatg ctcccagccg atgagctttt ctccgacggt 360

aaactcgtga cgaagcagca acaacaacag acgacggaga tcggcgggaa atgcangagg 420

atggaagtcg tggagattga gatntncggg ggggtggcgaa aaantgctcg ttttctccna 480

aggggggc 487

<210> 8118

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-E1

<400> 8118

gttattttgc cggccccggt ccnaactaaa cggggatcgt nttgttacca actacaagaa 60

agatggcaag caatgatcaa gcgacaaggg tttatccaga atgtgtcaac tccaccaaga 120

aacatgcctc cgggtgacaga aatgggaagt gctgagaaga gagggaggaa aggaggggaa 180

gcaggagaag aggatgtaga cattggagaa gatataccag ttgaggatta tccatcagt 240

gagattgaaa gggatggtag agctgccgt gctagtgggt gctctagttc ttctggcagc 300

ttcagttcga gtggcagttc ttcttctagt gattcagagt cagggagttc atcangaagt 360

gattcggatg cggatagtgt gcagtctcca tttgtggaag caaaagaaac ccccgtata 420

attgttgacc gtacgttgaa atatgcttaa canctcc 457

<210> 8119

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-E3

<400> 8119

cgttattcgn ccgcccggtc caaactaacc cgggtcnacc cacgcgtccg gaaagataaa 60
gctagaagag aatcgacatt acgaatcttt tgttccagat cgtgagagag gaggagttgg 120
aagaatgaag atgactattg ggtctttgtt ccaaccctaa ttttgcagat taatttcggt 180
tttgttgatt tctgttttgg gtttgcgttg ctgattccgg tggattaaag ggttcttttt 240
gganagcaca aatttgttgg gttttttttt ggggaaagag aattaaaatt ttctccttta 300
gagtcggcgt ttgggttgag agagattatt acaggttttt agggtttttg atttctgaat 360
tggtgattan cgatggagcc tcgtgtggga aacaaatatt gtctcggccg gaaaattggn 420
agcggttcat ttggagagat ctatcttggg actcatattc aaacnn 466

<210> 8120

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-F1

<400> 8120

tattttgccg ccccggtcca aacanaacgg gtcgnccac gcgtccgnc cncacactc 60
gataatgac catcaagctt tagctctccc tcgtcttatt ctcaccagag gatttgtgtc 120
naatggtggc ggtatgtttg tccatcaatg tcgaacaaaa acccctaggg ttacattttg 180
cgctgctgat gatcagatag ccagttccaa gtcgaacaag acaaggaaag tagtgagca 240
tgtgtgttta ctcaaagcaa aagagggttt atctgaggaa gtanaaaaag atatgcttga 300
ctatctttac acaactcaat accaaatgag aggcattgtt gctatatctg ttgngtgtat 360
ccgtgataca aacaatggaa tatttcacgc acgctctcta catgcgattc caaaangaan 420
gaaagacctt tgacaaggtt ctatgaggaa ccctttcctc ttgaaagttc tcaaatgaaa 480
natgt 485

<210> 8121

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-038-Q1-E1-F12

<400> 8121

taaagatnct attgatgcct ctgaaagtgg gaattaaaac aaaagccggg cttgagtcct 60
 cctcgtgngt ggttttgatc ctgatgatcc anatcaacaa atcntcgctg aagatatatt 120
 tgacgaatat ggagggttcc ttgagggcag catcccaata gaaatactga agagtatgtc 180
 gtcggataag aaaagaanat ccaaaaagaa caanaggcac aagaagcatt catctcggac 240
 tgttgaggaa actgatgaat cttcaacagg ctcanaacat agtanagaga agaggggatn 300
 aaagaagcgc aagaaactta agaagaagag cangaagcan tatgattctg attcactctc 360
 cttttgaacg gttcaangct ctggatnctt accgtccaan ttcgggcgaa gacacatcaa 420
 ggccnt 426

<210> 8122
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-038-Q1-E1-F4

<400> 8122

ctctgnccgg gacgtaccga aaccanaaat tcccgggten acccaccggt ccgaatttct 60
 tttccatgac tttcctctta tcaagaacat ttattttctct cactctcaga ctttcttgtt 120
 cgatttccat ggccaattta acgacgaacg ctaaaaactcg cctgagaggt gttgtattcg 180
 atatggacgg aaccctgact gttccgggtca tcgatttctc cgcaatgtat agagctgttc 240
 ttggtgaaga tgcttacaag cgaatcaaag cagagagccc tagtgggatt gatattctgc 300
 atcatattga gtcgtggagt cctgataaac agcangaagg cgtatgaaat cattgctgat 360
 tatgagaaac anggaataga taagcttcaa atcatgcctg gtactgctga actatgtggc 420
 ttccttgatt ccaaaaagat aaagaanggg gc 452

<210> 8123
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-038-Q1-E1-F6

 <400> 8123

 tattttggncc ggcccgtgtc canactaaac ggggtcnannc acgcgtccgn actgtcccaa 60
 cctcacggct tctctaacia tcccttcata tttaccattt tgccactaca ctagacaatt 120
 tcgtccttct catttccgat catctgataa aaacccgaat ctcgtttcta tcatccgagc 180
 aaaaccacaga atttctcatt cgcttaggtg ctttgtatca ttttcaatgg cgactcctcc 240
 tccgacgcag agcagcgaaa ccaaacctta ctctgttctt tttgtctgtc tcggaaacat 300
 ttgtcgcagc ccagcggctg aagggtgtctt tagagatatc gtgaagaaga gaggtctcga 360
 ttccaaattc ancattgatt ccgctggaac aattgattat cacgagggga atatggcgga 420
 tccaagaatg agaagtgtctg cgaaacgtcg cngggattga gatnacatca ctatc 475

<210> 8124
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-038-Q1-E1-A8

 <400> 8124

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 gccacaagga gtattggata tcatacagtc catgcctcat gatgcacacc caatgggagt 120
 tcttgtgagt gccatgagt cactttctat ctttcacct gatgcaaadc ctgctcttag 180
 tggccaagac atttacaagt caaaacaagt tcgtgataaa cagattgttc gcattctcgg 240
 aaangcacca acaattgcag cagctgttta cttgangacg gcaggcaggc ctctgttctn 300
 tccntcggcc aacctttctt antcagagan tttcctctat atgctggatt caatgggcaa 360
 taggtcttac aagcctaadc ctcgtttggn tcgagtgtctg gacatcctct tcatactgca 420
 ngcttgaagc angaaatgaa ctgctcctac tgcngctggc tccgggcadc gntgcct 477

<210> 8125
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-G11

<400> 8125

gtacngctcc aaaaattccc aaggtcnacc cacgcgtccg naatctccct caaaactcat 60
aaacatattg ctctcctttg ttcatttctg ggtttacgct tctttcgact ttatggggtt 120
cggagcttag ttttactaca atttcgtttg gaaaagagct cttatttgat gttcatggcg 180
tctctctcct tcaccaatt cttatcattc ccagatgca atgcagatgt tccttgtctg 240
ctccagtcgc atgggttttg gaagtttaga ggtgaaagat ggaatgggaa acaaagcttt 300
tctaaggctg ctggtangag aaagttatca agagtcagca cctcttgaag aagaaggtaa 360
tgatggaaac ggtgcggttg tgggaaaaga aaccatctaa aagtgttaag agaacaacga 420
agaagaaagg tgtggttaaa ggattaacca ttagaagaaa tttccgaatt tttggttg 478

<210> 8126
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-G2

<400> 8126

ggtcgacca cgccgtccgc ttnaaaaggc ctattatatt antccgctca tctccccctt 60
ttaagaatct ngttttgaac cttcatgaaa gctttgcccg tnaaaaaatc aacaaactcc 120
gttgactcct ggcaaaaccc tcaatngtgc taatttcaag tttaangtcc ttttgagccc 180
aatgggagg ggtaagatat gtgaaaccaa anctccctga gaaagcttca aggggggaaag 240
tatcaangca atgggttggt tgctgtaatc ntgggattgg gatctctcgt ttcttgggna 300
cagtatgctc actataagca agattactac tacaaagttt ttccgggatt atcaaccttc 360
aaagggtact cacacttgta taccaancgt tttgcgcctg gnacaatcct tgantctcgc 420
ataccacgaa tcgaaaaatc aatactcgaa aaacgtaacc cccattgggg taaaatccaa 480
ttcccaanta ttccaaaant ccttggcnca aaagttttgg 520

<210> 8127
<211> 582

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-G6

 <400> 8127

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 cacgcgtccg cccacgcgtc cgttctttta ctgagaatcc tttgggagac ttgattactt 120
 ttcattcatcc tgagtttaaa gggttttggg ctggagataa tatgggggtgg gttttgattt 180
 tgaataaaaag acgggtnaca aagcaagaag aaagaaaacg ggagaatcct tgggcaattg 240
 cctggaatcc tcataaaaca tgggccgctc ctaaaagtgc gtcgtcagag cgggatcttc 300
 acacttctctg gtaatgggag cttcacaatc tgcaacaac ttcactaaga atgcaaggca 360
 tcctctgttc aaacaacagc anacaaggag accaaaaacc aactgcataa ttgtcagatg 420
 ttttaactaaa aaacaatggt gtcttctaac gacaagagca tccttggaac gcgatgtttg 480
 aancagnctt caccttccgt cntcaacagg gagaaatcct atgaanaaat ggggtgtaga 540
 aaaaaccatt gggccnttgc ntccgaacca ntttgtcccc aa 582

<210> 8128
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-G7

 <400> 8128

 acgcgtccgc tcaatcgcta gaaaccttac tcacgattcc ttctctccgt ttcttaactg 60
 tancnacaan acngaccctt ccgtnaaanc nccganggtt ncaacggtta tncgccgtct 120
 ccnaantccg gattcctccg ttcgctcggc ttgcgccttc gcnacggctg aaatgtcggc 180
 tcatgttaca aaggcagcct tttgcttccg tcgcgaancc gttgattgan actttgattc 240
 aggaagggtga ttcgaatctg catatcggag cggcgttgtg tttagcggcg tctgttgatg 300
 cggngacgga tccggaatcg ggagcatttg agaaaatcgt tgcctaagat tgggaaattg 360
 cttaaagagtg atggttttta ggctaaagcc tgcgtttgtt tgagtgccgt cggaagtaa 420
 aattaccgcc ggtggtgcng gaactaaaac cggttttggg attgggttaa ttccgggt 478

<210> 8129
 <211> 230
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-G8

<400> 8129

aactgttcgt tgcccggccg nngaaaccga attcncgggt cgacccacgc gtccgcggac 60
 gcgtgggctg gaatccagct tgggtgtgtt ctgataggga ttttgatttt ccagtttgtg 120
 agcgccaaat ttacatgaga gagatatgaa tgaataaaca aaccaacggc actgtagact 180
 cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg 230

<210> 8130
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-H10

<400> 8130

ccagggtccac ccacgcgtcc naaacggana gaggcggana ggagaaggaa gacggcgtga 60
 agcaatggtg tcgctgaaga tccagaagcg gctcgccgca tccgtaatga aatgcgggaa 120
 aggaaaagtt tggctcgacc ccaatgaatc gggcgatatc tctatggcca attccaggca 180
 gaacattang aagcttgtga aggatggttt cattatcagg aagcctacta agatccactc 240
 acgttctcgg gctaaggctt tgaacgangc caagcnaaag ggtcgtcact ctggatacgg 300
 taagagaaaag ggtacaagag aagcaanggc taccaaccaa gattccttgg atnaangaga 360
 atganggtgt tgaggccttt cctgagcaan ttaccgtnag tcaaagaaga ttgattacgc 420
 acatgtacca tgacatgttc atgaaagttg aaaggtnatg ttt 463

<210> 8131
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-H11

<400> 8131

aactgttacg cctgggcccgg taccggteen anaattcccg ggtcgaccca cgcgtccgta 60
agaacaaccg cgttacaaac ttctctcgtc ttctctggaa atttctgtcc acaaataatta 120
gtctttaatt ttccggtatga acactgaccc ttctctgata tattgatctt tgtcgcagta 180
tttattaaga ttttatctct atcagacggc tcttttgatt aatatttttc cgactcttat 240
ttcttatctt ctttgctcag aaacttctct caggcgaatt caagtttcat agttttgggc 300
tagtttttgt ccaccgatct atctcttttag gtgagttttg tttatttttt tcggctttat 360
agtttgctta cgcttcatgt tgttggttgt aataaaatcc tgggtgtttga attgaggcct 420
tgatcccgtt ccttccgaat taaaaaagtg ttaatccgaa ttcaaactct taaaatncgg 480
ggttg 485

<210> 8132

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-H12

<400> 8132

cggccccgana cattccaaag tcnacccang cgtccgantg cggcngatca agagctgagt 60
gaaaaatggt gtctggatca ggaatttgcg cgaagcgcgt ggtggttgat gctcgtcacc 120
acatgctagg tcgcttggtt tcggtttagt caaaggatct gctcaatggc cagaatattg 180
tggttgtccg gtgcgaggag atttgtctct ccggcggact tggtcgtcag aagatgaagt 240
acatgangtt tctccgtaag cgtatgaaca ctaaaccctt tcacggacct attcacttcc 300
gtgctccctc caagatcttc tggcgtancg ttcccggtaa gattccacac aaagactaaa 360
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gaccaaga 428

<210> 8133

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-H5

<400> 8133

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ctctctttat ctgattctgg cggcgattgt aatcggcggc gtcacctccg agtacataga 120
gtacaacaca aaaccgagaa tcgtccctga gaaaatcaat gttcacttag ttcctcactc 180
acacgacgat gtaggttggc ttaagaccgt tgatcagtag tacgtaggct ccaataactc 240
cattagggga gcttgtgttc agaattgtatt ggattctgta atcgcttcat tgcttgatga 300
tgaaaataga aagtttattt atgttgaaat ggctttcttt caaagatggg ggaggcaaca 360
aagcaatgct aagaaagtta aagtcaagaa gcttgttgac tctgggtcaac ttgagttcat 420
aaatgggtgg gaatgtgtat gcatgaagaa gnaaactcca cattataatt gacatga 477

<210> 8134
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-H7

<400> 8134

acgcgtccgc ccacgcgtcc gaaaattctt catcgactca aattcaaaaa ctcatctctc 60
tctatctcta tttctctggg tccatagctc accgtcgcat cgcagatcta ctcttccgc 120
aataaatttt accggcggag gtatcagatc tcgccgatct gttgtagcag ctactgtatt 180
ttgggcttct catttgatat tggggaaacg aggagtagag gacgatggaa aatctgatct 240
ctctgggtta caagatacag agagcttgca cggctttagg agaccatgga gactccagcg 300
ctttacctac tctttgggat tccttgccctg cgatcgccgt cgttgggtggg tcaagagctc 360
anggaagtct tcagtcctgg aagagcatcg tgggaaagga ctttttancc cgtggatctg 420
gcatgttact ccaaaggccc ctgtctaaan ttgcaaaaga ttcaatgaag gaac 474

<210> 8135
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-038-Q1-E1-A2

<400> 8135

ctgtttactt ggnccgtccc ggtccanaaa tncccggtc caccacgcg tccgggagat 60
cttgtgtaca tacattcaaa tgataaaagt tcttcttcac gagacattgt tgtgtatact 120
gattcagatt ccgacaagga aaacctcatg aaggaggcaa aggacgaacg caagagattg 180
gcagaaagaa aaatacaatc tgcaatcggg ttccgtcaag tgattgatct gcttgcttca 240
gagaaaaagc tgatcgttgg tcacaattgt ttctcgcata ttgcacatgt atacagcaaa 300
tttgtgggtc ctcttcttc aacagctgag aaattcgtgg cctccattaa caagtcactt 360
tccttatagt gttgacacca anatacctct taaacgtgaa tccaatgttg catcagcggg 420
tgaaaaagtc nagtacatca ctgtcttccg cgttttctc ggntatgtcc 470

<210> 8136
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-038-Q1-E1-A3

<400> 8136

cgggtccagn caccggtccg naagaccgtg aaagtgtgga acctttcgaa ctgcaagctc 60
agatcgactc ttgctggtca caccggttac gtgagcactg tggctgtatc acctgatggn 120
tctctttgtg caagtggagg caaagacggt gttgttttgc tgtgggattt ggctgagggg 180
aanaagcttt actctcttga agctaactct gtgatccatg ctctttgctt cagtcccaac 240
aggtactggc tctgtgctgc aactgaacat ggtattaaga tttgggacct tgagagcaan 300
agcattgttg angatttgaa cgttgatcnc aangctgaag ctgaaaangc tgacaacagt 360
ggtcctgctg ccaacaaaga ngaaggttat ttactgncac aannccttaa ctgngagcgc 420
tnatgggaac aaccctctc aagtgggttac accgantgga g 461

<210> 8137
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-038-Q1-E1-A6

<400> 8137

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tgtttagccg nccgtaccgg accanaaatt cccgggtcna cccacgcgtc cgtccaatct 60
atcactttat aacaaattaa agtctacggt gagatatggc tttaaaaaca tggaagccat 120
tcataactgt tgtttctcta caatttggat atgctggatt gtcgatcata gcgaaattcg 180
cactgaacca aggcattgagt cctcacgttc tagcgctcgt tagccatata gtcgctacaa 240
ttttcattgc tccatttggc tatttcttgg atagaaaaat acggccgaag atgacgctat 300
ccatcttctt caagatattg ttgcttgggt tattgggaac caacaattga tcaagaactt 360
atactacact ggtatgaagt acacttccgc cactttcaca gctgcaatga caaatgttctn 420
tcctgccttt gcctttatta tggcatggnt ccttagactt gagaaaggta acgtcaagaa 480
aaa 483

```

<210> 8138
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-G1

<400> 8138

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ggtcgaccca cgcgtccgct aaaagatcta catcttcaag gtgctgaagc aggttcatcc 60
agatatcgga atttcaagca aagccatggg gattatgaac agtttcatca acgacatatt 120
cgagaagcta gctcaggaat cttcgaaact cgctaggtac aacaagaagc cgaccattac 180
atctcgcgag atccagacgg ctgtgagact cgctctcccc ggtgaactcg ctaaacacgc 240
cgtctctgaa ggtaccaagg cggttaccaa gtttactagc tcttgaagag acccggttag 300
ggtttttagg gatttcaatt tcggtttggn ttttaagtac ttgtaaggaa attanatgca 360
ttattcgctt aacttccgta ttttgtgggc tttgtnactc caaggaagta nagaanaatg 420
ttccttcctt tttaatgaaa tttaaatggt gggnttaaaa nanttttaac gaattttttt 480
ttccaaaaaa aaaaaa 496

```

<210> 8139
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E11

<400> 8139

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gatcgaatcc ataggctctc ttgacaaaga ctcatcgtt tctctcttat caaaactcat 120
aggcgaatct aaattcgtcc agaacaatcc gccggagctc atccctcaag aggacctaat 180
cgtcaaacac gtcccttgact ctctccgtcc ttatagcaca gaaactgggtg gtggctcctct 240
ggatgatcaat catgtcgcgt atcattcagg tagaggtaat ctcatcgttg agtaccagg 300
atctgttccc ggaaagatct tgtctttcgt cggaatgcat atggacgtcg tctactgcgaa 360
tcctgatgaa ttgggaattt gattcctttc ctgcctaaan cataaaatgg tgataaagcc 420
ttcgtgggtc cgtggggaaa aacaagaatt gtccttggtc acgtttgctc cntgggtcaac 480
tgaaaact 487
```

<210> 8140
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E12

<400> 8140

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ttctgtgtcg caatctcttc ttcttattaa ttcattcaaa acagaaaagt acgggaaaaa 60
ggaattgaga cgggtgggtt cgatgggggtc aggtgcatcg aagaatactg aggaagatga 120
cgatgggtcc aatggcggag gtggtcagct ctacgtttca ctcaaaatgg aaaactctaa 180
ggttgaagga gagctcactc ctcatgtcta tggtctcttt cctctcatcg gttcctggga 240
tccttccaaa gctcttccga tgcaacgtga atctgcgtta atgtcggagc taagcttcgt 300
tgttctctct gatcacgaag acttgggact caaagttttt gttgaaacca aagaacagaa 360
atacgccctg cataatggaa gaagggtaaa atangctcct aacggtggtt ccttgcaagg 420
agatgcaaat 430
```

<210> 8141
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E3

<400> 8141

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ggacgaagaa gtttctgaat caatggctca agcagcgaga ttaagcctga gaatgcagaa 120
agagctaaag cttctcctct ccgatncacc tcacggcgct tcgtttccac atctctcttc 180
cgccgccaat ggctccggcg atttctccac tttctccacc atcgatgctc aaatcgaagg 240
tcctgaagat actgtatatg ctaatggaat cttcaatttg aagattcaaa tccctgagag 300
atatccattt cagccaccaa ttgtgctggt cgctacaacc gatttatcan ccaaacatcg 360
ataacaattg gccgggaatt tgcctttgaa cattctaaat cctccctcc caaaggggan 420
ccttgggcaa ccaatcgntt gaaataancn cgaacagttt ttgaccnant tatgaanaat 480
tgtttgccta agtgaancca anattcctga tgaatggaan tga 523
```

<210> 8142
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E6

<400> 8142

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acgcgtccga tnacgggctg tgtgaattct atttctccgc cgccgggtgac tttataccgg 60
catcgtgcct ctccgtcacg gtcgtccttc tcattatccg gcgatgcctt acactctctt 120
taccggcacc gacgtgtatc aagatctccg tcgattatcg ctcccaaatt tcagattgtg 180
gcggctgaaa aatcggagcc tctgaaaatt atgatatcag gagctcctgc ttctggtaaa 240
ggtacacaat gcgaagctga ttactcacia atatggtttg gtgcatactt ctgctggaga 300
tttctgang gctgaaatcg cttctggaan tnaaaatgga agacgtgcta aagaacntat 360
ggagaaagga caattggtcc cctgaagaaa taattgtaat gatggtaaaa nnttgtttaa 420
```

tcccaagncg gattcgagcc aaaaaggatg gcttttggat ggana

465

<210> 8143
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-E7

<400> 8143

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cgatgttgcc tctcggaatc atcgggtgga tgctctgtat catgggcaat tctcagtact 120
acatccacaa agcttatcat ggccgtccta agcacatcgg ccacgatgaa tgggatgttg 180
ctatggaaaag acgcgacaag aaagtcgtcg agaaagctgc agctccttcc tcatgattcg 240
ctttatctct tttgtgttcc tcaggggctt aagggtgacca cttgtggtga caaataaagt 300
gcattccaga agaagaagaa gctgggggat ctagtacttt cattcccatt tgattttcct 360
tggacatatt aaagctttca gaaatcagac tcaataacat ttggttaaca atatttcnca 420
ntcgtgataa nnnngaaaaaa aaagggcggc cgctccaana aggttca 467

<210> 8144
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-E8

<400> 8144

acgcgtccgg aactccttac tcaaggtgaa ctaactcgcc gagcgtggga aaaagatgtg 60
caggtgatga atgaanggcc agggcatgtc ccaatgcaca agattccacg agaatatgca 120
gaagcagttg gagtgggtga acgaggcacc attctacacc cttggtcctt tgactactga 180
tattgcccct ggatatgac acattacctc tgccattgga gctgccaaata ttggagcctt 240
gggtacagct cttctttgct atgtaacacc aaaagaacac cttgggctac caaacaggga 300
cgatgtgaan gccgggggta tagcatacaa gatcgccgct catgcagctg atctagccaa 360
acagcatcca catgctcang catgggacga tgcgctgaan caaancnccg gtttnnantt 420

aaatggatgg accaatttgc nccggtcctt tggaccccaa tgaa 464

<210> 8145
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-F10

<400> 8145

gaacaaaaaa agacttctat angccaaatg ctgaaaaaac ttgcgaggaa tgcgcgtaaa 60
gcttgtccaa atgggaattc acttccacaa tgggtcctta catcgagaga cagaggtggt 120
cttgcattgca acctcgaggg cattatagaa tcaccgatta caaatggcta catgaacaag 180
tgtgagttct cggttggatt atctcttcag gggaagccaa ctggttgatt cagtctanga 240
agtttttgtg cgggtgtgac agcagtcgaa gaacctgtgg attgccccaa cgtctccaaa 300
attgcntctc aataagcctc aataattcag aagttataga aaattcaaaa attccaangt 360
ttggaataag tttcaacnta attggttccg gccgcaaatt accgttcgag aagggaaaaa 420
acccggcgtn tt 432

<210> 8146
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-F11

<400> 8146

gaagacacgt cgtctctgtg agaacttttt ctttttcttc tggatatattc tggagacaga 60
tattgttttt tcttctgatt agagaataat atgacggaag tgattagcaa aacgagtttg 120
ttcttaggag cttgtggtaa tcatcaccgt gttgatgatt tctctttctc tccggtgagt 180
tttgggtgggt ttggtttgaa aaagagtttc tcttgtctga agcttaagag tcagaagcct 240
cttagaantg tattttacgg aaaacagatc gttttcggag attctcaaga cgagagnttc 300
agaagattat cagcctatca cagctcanac aaacctttga ggattgggga cannctcaag 360
aaantggttg ggaanaaaag ttctgaaa 388

<210> 8147
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-F3

<400> 8147

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gccgtccgga aatcaagggg cgaccacgc gtcgcccac gcgtccgcc acgcgtccgc 60
ccacgcgtcc gctctctcct ccgtcaccga ggggagagca acatgccaat ctcaattccc 120
cttaacgcca ctctacaata cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccttac cggaattcgc 240
caagcgatgc ctcaagatgg tcacttcttg cgtctccaac gtcagaaat ccgtcctgaa 300
tggtgccaac gattccgtct ctgtcgtcgg gcgggagcag attcgtcttg gncctcctan 360
caaaaggacg catggggcgc gattcgctgg atttctcaa aggattgcca attgtttggt 420
caaaacaagt caatccacga caataatgtt ggctcaaat tcctcaagtt accaaataac 480
ggaaattttg ggttcaacgn aaaaaagaa a 511
```

<210> 8148
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-F4

<400> 8148

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gctgcaaadc tgggatactg ccggacagga ccggttccgc aaaancacaa cngcgtaacna 120
ccgtggancc atggggatct tgcttggtga tgatgtgact ggatgaatca tcttcaaaca 180
aacatcaggg attgggatcc gtaacatttg agcaacatgc ttctgataag tgtcaacaaa 240
gattctaagt tggggaacaa agcaagatat gggatgaaag caaaagagct gtgcaaaaat 300
ctaagggcca agctcttgca agatgaatat ggaatgaagt ttttcgagac tagtgccaag 360
actaacttaa acgttgagga agttttcttc tcnaatgcta aagacattaa gcaaagacnt 420
```

gcagataccg atgcacganc tgagccgcaa acaatcaaaa tcaaaccaat ccgancaagg 480
 tgccggaana tctcaagcta ctcaanaaat caacatgttt ccggacaana 530

<210> 8149
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-F6
 <400> 8149

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 tgggttggtc acagcactga ctttctctcc tgattcaagg ggattagtgt cngtatcntt 120
 tgactcaagg ggcaaggctg accatgattg aacaaaaggg ggacaaacct ggagtaangt 180
 ggtggctact ggttttattg atagtgttgc tatacgtggt tgcatactat tatatgaagg 240
 caaanggtat cataccttag aaanggcttt aagttgacca cacaagncca tacaaccgga 300
 atggcttgta accaacadat catacgatta cgccttgagt tancctttta aggtttgnca 360
 tctaccanaa aacttgcntg ctttaaaanc anttaaaaca tgtttactaa ccctaaaacc 420
 gn 422

<210> 8150
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-F8
 <400> 8150

ttgccenggc cgtaccgaac cggaaattcc cgggtcgacc cacgcgtccg tgtgtgtgtg 60
 tgaatcttct cagcgaaagc caagttcttt tctttgttgg tgtttctggg tttattgcga 120
 caatgggagc tgagcatttt agcctggtga agttcaatag aggtttcttt gtgtgtttat 180
 gggatgatgt ctcgtatct tgcgcagcan cgagctatgg ctcttcaagg caaaagtttg 240
 aggtgaagaa gcatttgaat aggtcaaca aacctcctgt taagactatt cagagtccag 300
 atggagatat aatcgactgt attcctattt caaagcagcc agcttttgac cacccttcc 360

tcaaagacca caagattcag atgaggccta nttaccaccc aagaaggggc tctttgatga 420
 caataaggta tctgctgaac caaaggggaa agaaaccata tccctcaatt gtggnancgg 480
 tatggcaaaa tgtactgaaa ggaacantcc caag 514

<210> 8151
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-F9
 <400> 8151

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 aacaancaaa aaaagactgc ttctctttct tanttctctc atcatcatca tcaatggttt 120
 tatgagattt atatcaaaaa acattgagga gctagagaga aagagagagt gtgtgtgtag 180
 aaaaagattg aaacatcatc aagattgatg gagcaaggag gangtggtgg tggtaatgaa 240
 gttgtggagg aagcttcacc tattagttca agacctctg ctaacaactt anaagagctt 300
 atgagattct canccgccgc cggatgacng tggattaaga agtggagggtg gaaggangan 360
 gaagaaggaa tgcttctctc tcatccggga aatccaatgg ccgagagaag aaacttaact 420
 cntccttcgg attcgatt 438

<210> 8152
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E10
 <400> 8152

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 tatcgccatc gatttttagca gacattgaag aagatgggag tattcacatt cgtatgcaag 120
 aatggaggcg gcgcgtggag cgcgaagcaa cacgaaggag aacttgaatc ttcagcttct 180
 tctacctacg agctccagcg taagctcgtt caggatatctc tctccgctga ttcctccggt 240
 ggcgttcagt ctctgttttc tcttgtctcc cctacctccg ccgtattcca ggtaatnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnaactgc agctgcccct nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nntccgatt cnatttcctt gggtaaaaat naaatantaa tttggaagt 480
 ttggn ttgag 490

<210> 8153
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-F7

 <400> 8153

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 gatcttcaaa ttacaagtgc catgatccga ggtatttgaa acgtcccaaa tccgctacaa 180
 attgatagaa catcaaataa agttataaaa tcaacttttta taaattttaa tagcagaata 240
 ttacatatga ctttagaagt gtatgttctt atggtcactt tnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 n 361

<210> 8154
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-F8

 <400> 8154

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 taccagaag tccgacgtat acagctttgg tgtactgttg ctagaaatgc tgactgggaa 180
 agcagcaggg aagactactg ggcatgaaga agtggtggat ctgccaaagt ggggtgaatc 240
 agtggtgaga gaggagtgga ctggacnaag tgtttgacgt agagctgac aagcagcaac 300

acaacgtaga ggaagaaatg gtgcagatgt tgcagatagc aatggcatgt gtgtctaagc 360
atccaagatt ctaggccttc aatggaggaa gtgggttanca tgaatggaan gagattccac 420
cttcagcg 428

<210> 8155
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-G11
<400> 8155

tccanaaatt cccaaggtcn acccacgcgt ccgtacatcg ccagggtcgt aaatatgtca 60
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gttcgtaagt tgatatcaga gaatggtctt caagctggta ttgcattccc tacaggatgc 180
tctttgaatt gggtcgctgc tcattggaca ccaaactctg gagataagac tgtacttcag 240
tacgacgatg ttatgaaatt ggactttgga acacatattg atgggcatat tattgactgt 300
gcatttacag ttgccttcaa ccctatgttc gatcctctct tagcagcctc tcgtgaagct 360
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attcaggang tcatggagtc cct 443

<210> 8156
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-G12
<400> 8156

gcctccaaaa ttcccaaggt cnaccacgc gtccgngagg agcacgggtg gctcttcgtc 60
ggnatatacg acggattcaa cggtcagat gcgccggatt atcttctctc tcattctctat 120
cctgtcggtc atcgagagct caaaggattg ttatgggacg attcaaagt cnaatccaaa 180
tctcaggatt tagaaaggtc tancggagac gaatcttggt caaatcagga aangatgag 240
acttgtgagc gatgggtgga gatgtgaatg ggatcgctga aagtcaagat cttgaccgtc 300

gattaaagga acacattann tcggagaagt ggggtccgat cggttaacga atcattcngg 360
aagtattana ggctctgtca caagctctga tgaaaacaag aggaagccgt anttagatac 420
tgcaggatta aagatgcnc acg 443

<210> 8157
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-G4
<400> 8157

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tcagaaaaga agatgggana tccanngana tngattncca ntccgacgaa cttggcgaag 120
gcggcggttg ggtaggtgt ggcggcgacg gcactaaact cgtcgctcta cactgttgat 180
ggtaggcgaga gagctgtttt gttcgatcga ttcaggggag tgtaggatca gaccgtcggc 240
gaagggactc atttcttgat cccgtatctc cagacgccgc acatatacga tttcgtacg 300
aaacctcaca ctttctctc caaatctggt actaaggatc ttcagatggt taatctcacc 360
cttcgtgttc tctttcgccc tgagggttcg cgtctcccg acattttcca aacattgggt 420
ccttgaatac gatgagaang ttcttccatc gatttgaaaa tgaagtcttg aaaactg 477

<210> 8158
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-G7
<400> 8158

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gcaatcggaa caacaacggc gtttgtaacg cggatttatg tcggctgtgt ctgaannnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcttctgctc 240
cgaacagagg cttattcttg aggttccttc catttccatg ggcttaagac ttaaaaggac 300

ttgttctggt gttgaagtat ttgggggttt tcacgaaaag caaaaaatac cttttttcat 360
 agttcgctga aacagagaaa tctttttcct gaaaaaaacc tcatccgatt taacagtttt 420
 ttttgggtgt gt 432

<210> 8159
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-G8
 <400> 8159

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 aacaagacga agcaaacgat gtggattgaa atcatctgcg gtctcgatcat ctacaaactc 120
 gtccgccgtt ttttctacga cgacgaattc tccgacgtcg aaacttccga ttccactgct 180
 ctctttctccg ttgtctcacag acttgagaaa ctttatgggtg gaaaagctta tgtaggactt 240
 cgaattccag atgccgacac tgcttctaga caagacattg atgttggttct tgttactaaa 300
 ggagatgttg tangtgattt ctgtgaagaa tctatcgggg attgttacgg taactagtga 360
 tgggtagctg ggtttgtgaa ngggtgggca agcatcatac tantggagan ctccnctga 420
 tcctccgggc 430

<210> 8160
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H1
 <400> 8160

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 caaaagctct tcgggagaga gttttctatg gaggcattga gcaccagttg cgtagagagg 120
 tatggccctt tctcttggga tattatgcat atgactcgac atatgcagag agagaatatc 180
 ttcgatctgt caaacggatg gaatatgcaa cattgaaaca gcagtggcag agcatttccc 240
 ctgaacaagc aaaaagggtc acaaaatatc gggagagaaa aggattgata gataaagatg 300

tggttaagaac tgatagggca tttgaatact atgaagggga tgacaatcta catgtcaata 360
 gcatgcgtga tattctgttg acctactcct tctacaatth tgacctgggt tactgccang 420
 gaatgagtga ttatctgtct cctatccttg ttcntgatgg angatgaatc aaaat 475

<210> 8161
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H10
 <400> 8161

ccgcnggttc cgtacggctc cataaattcc caaggnccca cccacgcgtc cgntcagatt 60
 ctacgctgta gagatgtcgc taccatgttt atgtccatgc ccatcatcgc cgattttctct 120
 ttcattgtgt tctccgagat tcaatcttct taacacaaca agcaggagac taggtttgtc 180
 tagaaaactgt agaactctgc gaatcagttg ttcatcttca tctactgtca ctgaccaaac 240
 tcaacaatcg tcttttaatg atgctgagtt gaaactcatt gacgctttga tcgggaattc 300
 aaggccgtgg caaatctgct tctcctaaac agctcaatga tgttgaatct gctgtgaaag 360
 ttcttgaagg tttagaaggc attcaaaatc ctacagattc tgacctaatc gaaggtcggt 420
 ggcgattgat gttcaccaca agacctggaa ctgcatctcc aatccaaaag aac 473

<210> 8162
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H11
 <400> 8162

gtcnaccac gcgtccgcac gaatggttct catctcattg attactcaat ctctaggggt 60
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 gacgaatcct tcaatttcat taatcaacaa tcaaccaacc ctttacgaaa ttcaccgtat 180
 ttccaagctt ccaagaaacg aagattctca ttcgctatgt ctgaagattc tggttaagcca 240
 gcgtcttcaa acccaacaat ttcgaggatt tcaagggtacc ctgatgctaa agctcctctt 300

agacgaagag attcatgctc ctagtanagg aattcttaga tatggaaagg caaaatctaa 360
 tgantactgc gaaaaggac gcaaatttcc nttggttcgg aaagtatgat ggatgccana 420
 gngattaagc ttttngggaa gcttt 445

<210> 8163
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H2
 <400> 8163

cgtaacatc tcnaatgcc aggccacgt ccgaacacan tcaaagctac tgaactgang 60
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 gagaacaccc gatgagaagc ttctcttccc gttgctacct tctaaagaca atgggtctgc 180
 tactacaggg cataaaaatg ttgtttctgg taacaagaga ggatttgctg acacttgga 240
 tnagttttcg ggtgtgaaag gatctgttag acctggagga ggaatcaaca tgatgttgtc 300
 nccganagtt aaggatgtct cgaagagtat tcaagaacaa agatctcatg ccaanggggtg 360
 gcgtgaacaa tgcaccaacc tgccaanggc acnacgttgt tggttggcct cccaancagn 420
 ntctagccg ggnangaata caatnggcct tcctccaac ttccna 466

<210> 8164
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H3
 <400> 8164

gggtccagcc cgcgtccgan cacangtccg cgctgagcca ccatcgctct cttctcttcc 60
 tcttcgatct ctctgaatc ctcaaaccct ggagagagag agagagagtg acgggggaag 120
 aagatgactt ctgctttgta tgcttccgat ttgtttaagc agctcaagtc aattatgggg 180
 acagattcgt tatccgacga tgttgactt gtgattgcaa cgacgtcttt ggcactagta 240
 gctggatttg tgggtgtgtt atggaagaaa acgacggcgg atcggagcgg ggagctgaag 300

cctttgatga tccctaagtc tcttatggct aaggacgagg atgatgattt ggatttggga 360
 tncgggaaga ctanagtctc tatcttcttc gggtagcgag actgggacag ctganggatt 420
 tgccaaaggn attatcccga aggaaatca 449

<210> 8165
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H4
 <400> 8165

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 tcttccactc tggatccgag agattggaga cgtcaataag gacatatact atagagataa 120
 aagcggattt tccaacaatg actatctcac acttggagtc gatcaacttc ctttgttcgg 180
 tggccgtact gctgttcaat gctatgaaga ttttatgctc agtttttcaa caaaatttga 240
 gccatatctt gggaatgtga ttgaagaaat aagtataggt cttggtcctt cgggggagct 300
 tagatatcct gcacatcctt ctggagatgg gaggtggaaa tttcctggaa ttggtgaatt 360
 ccaatgccat gacaagtaca tgatggaaga cttgatggca gtggcatccc caagaaggca 420
 aaacctcaat gggggaagca gaagattctc cgaataccgg ctgctataat nagctttcc 479

<210> 8166
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-H7
 <400> 8166

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 aaatcttttt tctcaaaatc tcaaagaatc tctcaaactc agtctctctat ctgtctctct 120
 gcaaactatt accaaccaga taatttagat atggaagcta ctcagaaaca tatgattcaa 180
 gaaggatctt caatgtttta ccatcaacca tcttcagtca aacaaatgga cttttctgtt 240
 cagacatttg attcttactg cacacttgaa tctcttccag gcaccaagtc tcattcctgt 300

cntaacaaca aaaacaactc ttcttcaacc acaagctttt cctctaataga aagtcccatt 360
tctcaaggcc aacaacaaca acttatcaag gtttaacaat cattcccctg aagaaaacaa 420
taactctccc ttgagcgggt cctcagcgac 450

<210> 8167
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-F4
<400> 8167

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caatcatcct ccaactcanaa gatataaac ggaattcaac ggccacgatg tcttgggatg 120
acggaaaaca cacgaagggtg aagagagttc agcttacgtt cgatgatgtc atccgatcta 180
tcgagggtcga atacgacgga acctccctta agtcccagcc acgtggcacc gctggcacca 240
aaattgacgg atttacctg agctctgatg agtatataac ggaggtgaat ggttactaca 300
aaactacgtt ttccgggagaa gtcataacgt cgttgacgtt caagacgaac anaaggacat 360
atgggactta cggaaataaa accagtagct acttttctgt tgccgcaccc aaagataacc 420
agattgtcgg ttttcttggg aangtagcag ccatgctctc aaactccntc cgacgctcan 480
tttgcccc 488

<210> 8168
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-B5
<400> 8168

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tttccgatta gttgacgccg tgattgtgtg taattgtggt atctgaggct tctanacgcc 120
ggattcatca naacgaaaga cggtaagac catcggcgga agagaaaccc aatcggagaa 180
tagcaaattc gatttggaga gtaatcggtg ccgaagtctc caaattaggt atgaatcaag 240

ccattcttgc ttgtatatcg tgattacatg ttgtatcttg tggtttaatc tttcaattca 300
acataagata annattcagg taaaacantt gtaaaaccan tgtttnnata ttnattttta 360
nattgatgan tncctgggttt gaccnacct gtttggtttt ttcccaactt ggggttttgcg 420
gattntgacc tttcccg 437

<210> 8169
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-036-Q1-E1-B8
<400> 8169

atcttcaagt ccacgacgaa acttttcacg gatcttcaaa ttccagaaaa aactcgatga 60
atcttcaagc tggtttcttg agcttcggat tcctttcgag tccacttggg gtcactccca 120
gaacttcggt tcgtcgttc gtaatccgag cgaaaacgga accgtcggag aaatcagtag 180
agattatgag gaaattctcc gagcaatatg ctgcgtcgtc tgggaacttac ttctgtgttg 240
ataaaggagt tacttcagtc gttattaagg gtttggtga gcataaagat tcatatggtg 300
caccgctttg cccttcgaga cactatgatg ataaagctgc tgagggttga caaggctttt 360
ggaattgtcc gtgtgttcca atgagagaga agaaggagtg gcattgtatg cctttcccta 420
a 421

<210> 8170
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-C5
<400> 8170

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ctgttctatt taacttttct tatatataaa aaaaatggcg aaaaatttac tagcaatatg 120
tctggtgttt atggttgcac caagtgtggt ttatgaagtg caagggactt tcttggttaa 180
gctttacttg aggaggaagt ttccagacg ttgtatcgac tttgcccctt atgctggcaa 240

aggtatgttg atgctcgtga gcaaccttga aggtggatgt cccgcantca gaagagttca 300
nacaattctt ttcaacgttc aagtcttaca tgagctttat cagctcaagc ancgatatcc 360
gcatcganaa acatcgatgt ggagatgaat gggagatgtg aattgctttc naagggctat 420
gtctg 425

<210> 8171
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-C6

<400> 8171

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ttctccttaa caatcacctt catagtaact ttaaaactct ctgtttctag taattcacac 120
acaaaatggc tattaaacta gcaattctat ttaccacatt tggtcttttt agcctcgccg 180
acgctagaat ccccggtatt tactccggcg gcgcattgga aaacgcacac gccacttttt 240
acggtggcag cgacgcctcc ggcacaatgg gaggagcttg tggttacggt aacctataca 300
gccaaaggga cgggaccaac acggctgctt tgagtacggc gctgtttaac aatggatatga 360
agttgtggan cctgctttga gctaaaatgc gccaacgacc ctcantggtg 410

<210> 8172
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-C7

<400> 8172

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tgtggcggtg tacggtaacg gtgcgataac ggaggcgaag aaatctccct tctccgtgaa 180
ngtcggtttg gctcagatgc tccgtggtgg tggtatcatg gatgtcntca acgccgagca 240
agctcgtatc gccgaggagg ctggtgcttg cgccgtcatg gctttggagc gtgttcctgc 300

tgatatccgc gctcaacgag ggcgcncctcg tntgagcgat ccacannnga ttaaagaaat 360
 caaacaagcc gttacgantic cggtgatggc taacgctang attgggtcat ntcgttgaat 420
 ctcagatnct ctgaagcaan tggaagctaa ttacagccan 460

<210> 8173
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-C8
 <400> 8173

gaataaaaac cagaagaatc cgtataaatt atcctaacag tttcttccaa tatccaacaa 60
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 cgtcaagtca gtggacgagg tcggaggata agatgtttga gcaagctttg gttctttttc 180
 ctgaaggatc tctaatacgg tgggagagaa tcgctgatca gtttcataaa tctgctgggtg 240
 aagttaggga gcattacgag gtcttggttc atgatgtttt cgagattgat tctggtcgag 300
 ttgatgtccc tgattacatg gatgactcgg cggctgcggc ggccgggttg gattccgctg 360
 gtcagatctc ttttgggtct aaacatggcg agagtgaacg caanaagagg aactcc 416

<210> 8174
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-D3
 <400> 8174

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 ttatcaatga gattgggagg gacaattcga tcgactgttt gatccgttgc tcgaggctctg 120
 attatgtttc tattgcttcc ttgaaccgga atttccgttc tttggtaaag agtggacaga 180
 tttanacatt aaggcgacaa aacgggtttg ttgaacattg ggtttacttc tcttgccagc 240
 tcttggaatg ggttgcgttt gatcctgttg agagaagggt gatgcagttg ccaactatgc 300
 cttccagtgt taccttcang tgtgcagata aggagtctct ggccgggttg gacggacctg 360

ccttgtctta ncgnaaagat gatttttctt cncatgtaat ntacagatac actcctactc 420
 actaanttcc ntgggncttc ctggggatca angatggaac tc 462

<210> 8175
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-D6

<400> 8175

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 atacaaacag aggatgttga tgacactagc ggcgacgacc tccgtttcat ttaactcgaa 180
 gcttctccta tttcgaatac gttgctcgga ttctaaccct aagcgtggct tcgggtcaaa 240
 aaaggaagag aaanaccgg cantgcagca ngggaaatca tcttctaaac agtctgtntc 300
 tgtaccaga aangnacctg gtctgaanac tcagtttgaa ggaaaatctg gtcgatnttt 360
 tgananagac ttngagtga cggctg 386

<210> 8176
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-D7

<400> 8176

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 tgagctgtgg catanccgcc gtgtaccctt cgcttctctc ttcttccaag tctaaattcg 120
 tatccgccgg agttccactc ccaaacgccg ggaatgttgg tcgtatcaca atggctgctc 180
 actggatgcc tggcgagcca cgaccagctt accttgacgg ttctgctcct ggtgactttg 240
 ggtttgacct acttgactt ggangaagtt ccancgaacc ttgatagata caaagagtca 300
 tgagctnatc cactgtagat gggctatgct cgctgttcct gggattttgg taccagnaag 360
 cattaggata tggaaactgg gttaangctc anngaattggc ancactacca ggggggggtca 420

agcca

425

<210> 8177
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-D9

<400> 8177

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ttcaatgttc tctcctctgc gttttcacga aacaganaac cttatcgttc cgtcttcgta 120
gacattgaaa tcgatagaga ggtgttgatt tgattagggt taatattgat tcggatgaag 180
ggaagagatg gttactaata gctacatgga tacgcgatca aatttgacaa gtgtgaatcg 240
aggatccaat gtggatctcg aagatcgatt ccagagggag ctccaatctt tgctccaaca 300
acatcgtaat cagcaatcan ttggcccgag aacganaacg agacattgan gttcacagaa 360
gcggaagcgc gctccctac cgtggaagga ttgttgagag ctatggatna atcaggtact 420
tgaacaataa caactctgat cataaganga tgt 453

<210> 8178
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-E10

<400> 8178

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tcaccggaga atcacgacaa catcaaattc tccggcgaca tctcagtggc agtgcattctg 120
taaaatgctt caaggactgt tgctcgctac tcttgcttaa ttattactat agctgggtgaa 180
aatgggaggt tgctgtantt cttcgaggaa gtcacatctt gttggnacac ctgtttacta 240
ttattgtcca gaatcttttg aagagcttgt cccttcagga acccntgctg gtgtgggatc 300
agcattcacc acaggcctct tggttgatat aggtttggag acatctatac ctgacacctt 360
ttgtgctcct gctcctcgtc catatgattt gcttttgggg cgaccacaat gcacagattc 420

tggagncnat cnannggaag ggtnaagtgg caagccatt

459

<210> 8179

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-036-Q1-E1-E5

<400> 8179

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gatgatgatt ggcagaagtt caaagagggt ggcttgcttg atgaagcttc tctagaaaga 180

aaagatcgtg atgctcttat agagaaaatc ttgaagcttg aaaaagagtt gtttgattac 240

caacataata tggggctatt gcttattgag aagaagcagt ggacttcaac aaataacgaa 300

cttcaacaag cttatgatga agctatggag atgcttaaac gtgagaagac gtcaaatgca 360

attactttaa atgaaagtga caaaagagaa gagaatctta gaaaagcttt gattgaatga 420

gaa 423

<210> 8180

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-E7

<400> 8180

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ttgatatttt cgacgcccac ctgtcctggc ttcatgacgaa ttagctccgg acctcaattt 180

cgtctcagac aaaactcttc tcttaaattc tcgagaccat ttcaaagcgg aacaacttgt 240

gttaaactct ggagaagctt tgtggttaaa gcttcagctt ctggtgatgc ttcaacagaa 300

tcaatcgcgc cgcttcaagt tgaagtctcc tgtggggaca gtttctgtca cagatattag 360

tgagccatcc tcctcctggt ccaagcagct gttgancagc agccntgaac agtccaaaa 420

ntgat 425

<210> 8181
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-F1

<400> 8181

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gaagaagtca gcgagtacta ccagaacaga ggggtgcttca atgaattaat ctcaattatg 120
gagagtggac ttgggcttga acgtgctcac atgggtatct tcaccgagtt ggggtgtactc 180
tatgctagat atcgttatga gaaacttatg gaacacatca agttattttc aactcgcctc 240
aatattccca agcttatacg ggctgtgat gaacaacaag cactggcagg aacttaccta 300
tctgtacatt caatatgatg agtttgataa tgctgcgacc acccgtcag aaccattctc 360
ctgaaagcat gggaagcaca tgcaattcaa angacattgt tgccaangta gcgaaatgtt 420
gaactggtag cacnanggct tgtgcacttc ctacgtgcaa ggaagcaatc ccgganataa 480
tcaacgat 488
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<210> 8182
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-036-Q1-E1-F12

<400> 8182

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gagaagccga gggaagattc acggcggatc atcgaagaaa gttattaaga ttctcggtgt 120
tccatgcgac gccgtttcag tcttcgtcag attcctctat tctccgagtg tcacggagaa 180
tgagatggaa aaatacggaa tccatctact ggctttatca cacgtgtata tgggtgactca 240
gttaaagcaa cgggtgacta aaggcgtcgg tgagagagta accgccgaaa acgttggtcga 300
tattctccag gctggctcgt ctctgcgacg cacctgacct ctgtctcaag tgtatgcgat 360
tcattcacta caagttcaag accgttgaac agacagaang atggaagttt cttcaagaac 420
```

acgatccttt tccttgaact tng

443

<210> 8183
<211> 263
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-036-Q1-E1-A8

<400> 8183

attccccgggt cnaccacgc gtccgnttgt agaattctatg cctgcggaga gctccccgtta 60
gatgcttgat aatcactatt gaccgatgca ttgtctttgc catctttgtt ctgttttttg 120
ctattatgac tattgaggaa tccaaacat caaaaagcca aagattttca aattctggtc 180
ttttatztat tatatatattc ggatacatga gttataagtt cttttaatcg atgtgggatt 240
cttattaaaa aaaaaaaaaa agg 263

<210> 8184
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-E3

<400> 8184

ctgttacgcc tgntcgtacg cctccaaaat tcccaaggtc naccacgcg tccgtgatga 60
ggtcacaaac gttgcctgtg gggctgactt cacagtgtgg ttatcgtcta ctgaaggagc 120
ctctatactg actgccgggc tcccacagta tgggtcaactt ggtcatggaa ctgataatga 180
gttcaatatg aaggatagtt cagttanact cgctacgaa gctcagccac gtcctaaagc 240
catcgctctt cttgcagggg aaaccattgt caaagttgca tgtggaacaa atcatactgt 300
ggccgtagat aagaatggat atgtttacac ntggggattt ggtggatatg gaaggcttgg 360
acatagggac canaaagatg agtgggctcc acgccgtatt gatgtgtttc agaggaataa 420
tgttttgcct cctaatagcca ttccttctgc tggttctgca aactccgctt gtacaagctg 480
g 481

<210> 8185
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-F1

<400> 8185

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tacgnccccg aaaattccan aagtcgaccc agnccntccg caagattcan tttctcnttt 60
atcactcccc tcggcgatct ctcttcttgc tccggcaggg tttttctgct gctccttgct 120
tgtccggact ctagcttgcc tgtaactgtt aacagattac aatgggggac tccgataatg 180
ctataccatt ttccagaaag anaactgctc tgaaagagct gtctcgtgac aagcctggtc 240
ttgatgatga tgatgaagga cacttctgca ctnagantg gtaccttcaa cactgctagt 300
aaggaggtgt tggcaagcan aagaattatc agagntaggg gcacagatcg atctgcnact 360
gcaccaccag cttctaatec atttacnggg aattcgtntg gttcctttta ctgctcctgc 420
tccttctact gctg 434
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<210> 8186
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-F5

<400> 8186

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acgcgtccgg aacagctagg gaatgtttta gatgttgtag atggagatct tcttccagaa 60
gataagtcca gaatcatata agagttaaag aaagaggggac caaccgcaat ggtaggggac 120
gggtgtgaatg atgcaccagc tttagctaca gctgatattg gtatctccat ggggaatttct 180
ggctctgctc ttgcaacaca aactggtaat attattctga tgtctaataga tataagaagg 240
ataccacaag cggatgaagct agcgagaaga gcacgatgca aagttgttga aaacgtgtgt 300
ctatcgatca ttttaaaagc aggaatactc gctttggcat ttgctgggtca tcctttgatt 360
tgggctgcgg ttcttgttga tgtanggact tgtctgcttg tgattttcan atagtatgtt 420
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<210> 8187
 <211> 410

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-F6

 <400> 8187

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 ttgcggaaga aaccttgacc ggagtcgatg ttgccctggt ttagccgctt ggctcttcgc 120
 agctcacgct cgctctgctc tccagttacc agctcctgct ccaacgccgg aatcttctga 180
 tcccgacgaa cccatgaagc ctgacgactc tcagaagtgc gtcaacacat tgcaaagtgc 240
 gcttttgact aaacaaatca agatccctca gcctaattct agctgtgacg caatcttgtg 300
 cttctgtggt attcgtctcc acnaagatta gctcactctc ttgtcccggc gctttcaatg 360
 tctcctccgg cttcaaaaac gcaantccga ccgctgncgt gaagaatctt 410

<210> 8188
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-F8

 <400> 8188

 acgcgtccgc ccacgcgtcc gccacgcgt ccgcccacgc gtccgcttca tcagttccag 60
 tcaccaggca aatgaggtat taccagctga aggagataat gagatgatga tgggtgccatt 120
 gggggaggag aagtttatgg taatgaatga aacaagaagg aaacttggaa gttttcagat 180
 atgttcagtt tgtacttggt gtggtggtgc taaaggctctt tgcttgctt ctccttggtg 240
 ctatgctatt aactgcaata tccctaataag accctttggt tactgttctt tcactcccaa 300
 aacttgcaat tgctttggtt gccatatctg agatcttcta cttcattgta atttgggaga 360
 gaaacaagtg aatctaaatc ttgattcatc ttcaagtgtg aaaggganga aaaaaagaaa 420
 ga 422

<210> 8189
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-F9

 <400> 8189

 gcaacancaa cgccgggacc gtaacgggtcc ntaaattccc gggtecnacc cacgcgtccg 60
 natgtgaatg gcatctagaa catggtttgc ttaccactga gaatgtgggt gatgtgttcc 120
 agcttgcgct gctgtgtgat ttccctcggc ttagcctcat atctcacgt atgatcatga 180
 aacactttaa cgaactctct gcgacagaag catggacagc tatgaagaaa agccatccct 240
 ttcttgagaa agaagttaga gactcagtaa tcatcgaagc aaatacgcgg aaagagagga 300
 tgagaaaacg caatgatcag aggatatatt cgcagctata cgaagcaatg gaancacttg 360
 ttcatatatg cagagatgga tgtanaacaa tagggccaca cgataaagat ttcaaacnga 420
 accatgcaac gtgtaactat ggaancttgc aagggattag aatcacngat ccg 473

<210> 8190
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-G2

 <400> 8190

tcnaccacagg cgtccggcta tctnctatga atgtctttga tacattaataa acatgttgaa 60
 agattcatgg aatctggaat gtttgtttcc caagttgtat atgacttgta attcttgatt 120
 ttangctaga caaacagtt atatatgttc cataggtaca caaaaacata cgagtctata 180
 tttgagattt cgatgtctta tctttacata ttatgttcgt agaacaaatg tttgacatgg 240
 agtgtgacgt tgtaatgatc ctctacacgt gtatatatca acagtttgta tcacctatcc 300
 atgtnaaagc actgtctccn tctcttagcc tctanttgca gcaataanat ctttaaagcc 360
 cttangtcnc atnagcttga ttagtgnaga antgggntca ttgccttgta ngganaanac 420
 tggtcggaac gangtcagga gtgttgatna aatc 454

<210> 8191
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-G5

<400> 8191

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actggggaaa tatcactatg tgctctactt ccttggtttg gcgatgcagc caaggatgat 120
gctgacggtg gatcagagcc tgaagcccat ctcggtgcc a gtgcgggtag gacaagcgg 180
tgatgtggtt ggacaggcag gccgacctaa gacaatcact gggttccaaa cgcactcaac 240
acctgttctc cttgctgctg gggagagagc tgaactcgca accgagaagt acattccgtt 300
gtcgcccata ttagaagggt tcgtcatatt gaaggaaaat ccagactaca gagaggagta 360
aatccaaagt tgcaagcatt tgaagaaaga gagagagcct ttgaatacnt tcactacggt 420

<210> 8192
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-G8

<400> 8192

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tcacactttc tttaacatct ctcttctact cttctacaact atcettatat ccagtttagt 120
tctactgata ctacgcgcc ggagtgctaa atcaaagata gtgaagcttc ctccagggtc 180
tccgggggtg cgggtggttg gaaacctctt ccaattcgcg cgctccggga agcagtttta 240
cgagtacgtt gacgatgtaa gaaaaaata cggtcctatc tacacgttga ggatgggaag 300
tcnaacaatg atcataatct ctgattcagc tctcgtnac gacgttctga ttcaacgtgg 360
ancaatgttc ggcaaccctg acccacnnaa gaatccgaac ccgaaccatc ttcagntcca 420
aca 423

<210> 8193
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-G9

<400> 8193

ttctatacat cctttgtttc ctcaactttc gaaataactca tttgtcaaag agtaacactt 60
ggcccatcat ttgtttattc aatgaattaa ccaaataaag ttctattttc taactttttc 120
attaatggca gaagcttggt tgctgctctt gtctactgac ttattttattc aatctcatgt 180
tgctaatttt gtaggtgtta actttctaag aaaaggaggt tggtaaaaca atgaagtata 240
angatgagaa gtangagaaa gctgagaagg gttcaaggat ttgccaag acagttttac 300
ngantcttct ttgtggactt tegtctanc tnggagggtt gtantgtggg aagaacanaa 360
ttgaagtnag tgatgttgca aaangctgaa tcctctgncc tgaa 404

<210> 8194

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-H2

<400> 8194

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ggcggcggag gaggaggaag tagccggaac gatgagattt ctgtgacgag agcgtcgcgt 120
ttcgatgcat tgccggaaga ttgtatctcg aagggtgattt cacatacgag tcctcgggac 180
gcttgtgttg tggcttcggt ttcgaaatcg gtgaaatctg cggcgcaatc ggatttggtt 240
tgggagatgt ttcttcgctc ggagtactcg tctcttggtc ttcaatcagc gaatcattta 300
tcgaaaaagg agatcttttt anctctcgtc gataactctg ttttggttga aaatggcnna 360
aagagctttt ggggtggagaa aagctannng ggaagaaagt gttnatangt tatcagcgat 420
gggaattnga ncnattaatt ttgggganga atc 453

<210> 8195

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-A10

<400> 8195

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aggagctgta tttgatctac cagaggagat cgcgaaagag ctctagaga aagatgtccc 120
cgaaggcaac agtttatcca tgataacaaa gttacctcca cttcaagatg acggaccatc 180
tagtgataac tacggacggt tctctnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cgtgatantt ggggaggtgn 300
tgatgacnag aggtngtaga aggagcagtg gtggangaag cagctggtcc cngaggtggt 360
agtagttcca gaggaagttc tgangattgg ttgatcggtg gccagaagtt catcaagcan 420
caganctect tccnngggag annanttttg ggggttcattg cttcatttnt cgga 474

<210> 8196

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-A4

<400> 8196

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ttatacatga gtggacatat gatgctatgt gccatgattt actgaacatg gaaggaaaca 120
aatatgtaca tgtgattcca agcaaatcag gcggacaacc agagaagaaa gatgtgctct 180
tagaggaaca tgatcctatt tggctagagc ttcgacatgc acatatagca gatgctagt 240
aaagattgca tgacaagatg accaatttct tatccgaaaa acaaagctgc tcagcttcag 300
ggtaagagag atgganctga gctttctaca aggagatttg cagaagatgg ttcaagcatt 360
gccacagtac agtngaacaa attgacaaac tctctctcna ccgtagagat tgctagnaaa 420
ctcaacgacc cttatcagan agcaagga 448

<210> 8197

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-A7

<400> 8197

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gatagggaaa gaagaagaac ggctgagtta aaaaacaacc ttgaatctta tatatatgct 120

accaaagaga agctggaaac acccgagttt gaaaagatat ccaccaaga anagcgcaag 180

gcgtttgttg aaaagcttga tgaggtgcaa gattggcttt acatggatgg agaagatgct 240

aatgccacag agtttgagaa gcggcttgac tcacttaaag ccatcggcag tcccatatct 300

ttccgatcag aggagcttac agcacacca gtagcaattg aatatgctat ganataccta 360

actgaactca nagagatcat aaggagaatn ggagacgaac ancacttggc ttcc 414

<210> 8198

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-E2

<400> 8198

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ttttcctccg catctaaaac catctgagaa atatctccga cgaaggagaa gaaacgaaaa 120

tgacggagac tggagtaatc ggatgtggct gtcgcggagt caccggcggc aatttcttcc 180

atccccggagg attttctttg aaatcttggt tcctcgagca gagtacaaaa gcgtaatcgt 240

aactttttcc gaagcgtttc tatgattcct cttttcaaac gcggtcgttt catcactaag 300

nttgcgttcc gtcgccggga acagccgaat ctttancatg gatgctcgan gagaaatcac 360

gatcgtttgt gttggtatca tcaangcaca agaganttcc agtttttgtg atgatgccga 420

ttgannacat ttgggaattg angcctctgg ggtgtnccaa agtattaata anggtcaag 479

<210> 8199

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-033-Q1-E1-C6

<400> 8199

cgtactatgc ttgcatatca gggaacatcc tctgtcgtta attatgattc ttgtttggct 60
 agtttgatag ccaagacaaa tgtctttgtt gtggaaggct atttgtttga gcttcctgat 120
 actataagaa ccataacaaa agcctgcgaa gaagcccaca gaaacggggc acttgttgct 180
 gtgacagcat cagatgtgtc ctgcatagag aggcatatg atgatttctg ggacattgtg 240
 gggaactatg cggatattgt atttgcaa atgcgatgaag caagagcgtt ttgtcacttt 300
 tccgcagagg aaagtccaat ttcagcgaca agatacatga gccactttgt tccgtttgtt 360
 tctgttaccg atggaatcaa cgggtcatat attggagtna aaggagaagg catctacatt 420
 cccc 424

<210> 8200
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-C7
 <400> 8200

tgtagttgg ccngccggta ccgatccaaa attcccgggt cgacccacgc gtccgctctg 60
 ctccatttct ctacttttct tcacatctct gaagctcttc gtcacgcac tacaatggca 120
 tcgatgatgc aaccgcagat catactgctg aaggaaggga cggacacac tcagggcaaa 180
 gcgcaactag taagcaacat caacgcttgc actgctgttg gagatgtagt tcgaaccacg 240
 ctcgggccac gagggatgga caaactcatt cacgacgata aaggatccgt caccatttct 300
 aacgatggtg ctaccatcat gaagtcctc gacattgttc atcctgctgc taagatcctc 360
 gtcgatatcg ccaaatecca agactccgag gtgggtgatg ggacaactac agtggttctt 420
 cttgcaacag agtttttgaa ggaagcgaag ccatttattg aggatggtgt tcacgtcan 480
 a 481

<210> 8201
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-C9

<400> 8201

acgcgtccgc cacgcgttcc gccacgcgt ccgcggaccc tgggtttgat cgtcccacca 60

agatggccgg gaacgattgg gtaaacagtt acttagaggc gattctcgac gtcggtcagg 120

gtcttgacga tgctcgctct tctccatcac ttcttcttag ggagagaggt cgattcactc 180

ccagccgtta ctttgttgag gaagttatca ctggttacga tgagactgat cttcatagat 240

cctgggttaa ggctgttgct acgaggagtc cacaagagag gaacacgagg ttaagagaat 300

atgtgttga ggatctggaa tcttgctcgt caaaagaagc agcatgagga aaaagaagca 360

caagaggctg gntaagcgca ngcttgaacg tgagaaagggt cgcagan 407

<210> 8202

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-033-Q1-E1-D10

<400> 8202

cgccgnccgt accgagtcca naaatcccgg gtcnaccac gcgtccggaa aaaaaaaaaa 60

acaatggcgg ataagctcac tgacgatcag attacagaat acagggaatc tttcaggtta 120

ttcgacaaga atggtgatgg ttccattacg aaaaaggagc tcggtaccat gatgcgttca 180

atcggtgaaa aaccgacaaa agctgatctt caggacttga tgaacgaagc ggatttagat 240

ggtgatggaa ccatcgattt ccctgagttc ttgtgcgtaa tggctaagaa tcaaggtcatt 300

gatcaagcgc cgcgtcacac taaaaaaca atggcggata agctcactga cgatcagatt 360

acagantaca gggaatcttt caggttattc gacaagaatg gtgatggttc cattacgaaa 420

aagganctcc gtaccgttga tgttttccct cggttaaa 458

<210> 8203

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-033-Q1-E1-D4

<400> 8203

taaccaaaga cgcaatttca aggtaagagc tcaaattctt ggtgaaaaca agaaggcgac 60
atcattggaa ccagtgaaca acaacgggtc ggtctctttg tctactactg ttcaaaacca 120
aaaaggggca aatgaagtga atgggaaagg gaaatccaag agaaagatag tgagtgatga 180
aattgagttg ttatgggatg atgggtatgg ctccaaatct gttaaagatt actttgctgc 240
ggctaaagag attttgaagg ctgatggtgg tcctccacgg tggtttagtc ccgttgattg 300
tggtcgacct gttgaagatg ctctacgtt actcttctta cctgggatgg atggcacagg 360
gatgggcctt gttccacatc acaaagctct tgggcaangc ttttcaagtc tccgtgnccg 420
gaa 423

<210> 8204
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-D6
<400> 8204

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atcattggaa ccagtgaaca acaacgggtc ggtctctttg tctactactg ttcaaaacca 120
aaaaggggca aatgaagtga atgggaaagg gaaatccaag agaaagatag tgagtgatga 180
aattgagttg ttatgggatg atgggtatgg ctccaaatct gttaaagatt actttgctgc 240
ggctaaagag attttgaagg ctgatggtgg tcctccacgg tggtttagtc ccgttgattg 300
tggtcgacct gttgaagatg ctctacgtt actcttctta cctgggatgg atggcacagg 360
gatgggcctt tgttccacat cacaagctc ctgggaaagn ttttcaagt 409

<210> 8205
<211> 458
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-D9
<400> 8205

tatccgncgg cacggtcgaa aatccggggg cgaccaagcc gtccgccacg cgtcgcccac 60

gccgtcgccc acgcgtccgc actcanccaa ggtgtttaca ccaagtgtca ttgggttgcc 120
 atatcgctac tatctaccac tatggatttg ccacccttat gttgctggagg tatgtcgatg 180
 ctgttcgtga gttcaacaag attctcctct acattttcaa gactaagcag taccatcaaa 240
 agtcacctca gtacgagcaa ttactcaaga agaatgagca gatgtacgct ttgcttgctc 300
 tctccctctc cctctgccct caaactaaac tcgttgacga gtctgtcaac tctcagctgc 360
 gagacaagta tggtgaaaag atgatgagga tgctgaggtc tgacgacgag gcctttggta 420
 tttangatga gctcttctct tacgcatggc ccaangtt 458

<210> 8206
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-E4
 <400> 8206

antgttagtt tgcccggccc ggtccaaaat nnacgggtcg anccacgcgt ccggagaggc 60
 atcagggata aagtagagat tcaaacagtt tcagggtttc aaacaggata acagggatac 120
 acatgattaa aagtttgaaa agggttacaa aacagaatta gagagtaaaa gcagagacac 180
 taccgggatg catagagaag atacctccac ttctcggtga ggtgaaaaca gttgaaaacg 240
 ccggaaaaag gtcactggaa ctccatcttt gcccgttgtg taaagccatt tttggaagga 300
 actgttggat aattctgttt tagtaaaaag aggtagctga gatctggttt ttcaaaagtt 360
 tccaactgct aatagactgc attggagaaa gtgcctgggg agaaaactca acgctctttt 420
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<210> 8207
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8207

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ttcttcaatg gtcgctctct tccttctctg aacccgatct ctccgtttct gttcctcccc 120
acaagtagat ccttcgctct cgtcgtcaag agcactctcg gaaggaatgg agacaaatct 180
ttacttagga tgactttaag tggggatagc tcggaaactg tagagatgac ttcaactgat 240
atgattttcg agccgatttt ggagcatgga gttttccggt ttgattgttc tgttgaccat 300
aggaaggctg cttttcctag tgtttcattt aagaacagca aagaccggga agttcctatt 360
gtgaagtcac attgttccaa gcatatattc ctacttgtgg ttgtcctcan ggacaacaaa 420
t 421

<210> 8208
<211> 482
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-F1
<400> 8208

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ggctgctgaa tcagagacca gtgtaaactt tctcatcaac agtaacaaac cgcagaggtc 120
attgaaactcc aatctccgtc atcaaagccg gaatccctct atagaatctg ataaagcggg 180
tggagttggt gacaaactaa gagttatcta gaaacatcga agacaaggca aagattctgg 240
agagactttt gtctgattca aggagactgt caagtctccg gattagccta acagatctga 300
aaagaaagct ggagatgaat gagaaacaaa gaagattcag caacgctgat ttggttataa 360
gtgaagagac agttgaaaga aatggaagaa gctgtctcgc agctggaaaa cacaaacgag 420
attctttcaa aggaaattga angaagactg ggagatgccca gagatatatn cagaaaaggg 480
gg 482

<210> 8209
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-F10
<400> 8209

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 aatctcttct cctccgtcga agttttgaat tctctctggt tctccaattc tcctctcgag 120
 ctgccttaag ctctgcattt acgtttacgt tatgcacgaa tgagatcatc gtagatcgtg 180
 attgaagaag cgagagataa attaggagag cgaagatgag cgagggccag aagttccagt 240
 tgggaacaat cggcgctttg agtttgtccg ttgtgtcatc tgtctcgatt gtgatctgta 300
 acaaagcgct tattagcacc cttggcttca cattcgcgac tactttgaca agttggcatc 360
 ttttggtcac attttgttcc cttcatgtgg cattatggat gaagatgttc gaacacaagc 420
 cttttgatnc acgagctgtg atgggattgg 450

<210> 8210
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-F12

 <400> 8210

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 tgtactgtcc ggctatttga tgccacaaac tttgccttgc tcaacagatt tgcctttcac 180
 tgggtctgtaa ataacatctc caccagtcca gatggtaagc tagtggctgt tctaggagac 240
 agtcctgagt gcttactagc agataccgga tctggaaaag tgatccacgg actcgaaggc 300
 catctcgact actcgttttc atcagcatgg cacccaaacy gtcaaattct agccacgggt 360
 aaccaagaca caacctgtag actatgggac gtaaggaacc tgtctcaatc actcaaagtc 420
 ttgaaaggaa acatgggagc tatcagacct tgaagttcac gtct 464

<210> 8211
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-F3

 <400> 8211

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ctctccttct tgtttcccca gatctgaaat ttcaaaagct acccaatttt aactcaagac 120
tctgaacaac acatctagat ccatttccat ggcgagcgcc tggaaaaaag acaagaacca 180
aaaactttta tcaccaaaga cactaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaatac tccaatccaa atctctccat 300
caattcccca taccctatcc ctcttttga ttgcttcaaa tgtccacaat caaaacccat 360
aatcgcaaac gtcgtcgaaa atctcaagta cccttttggt tactctctcg ctgatctcgg 420
taatctcccg gagaaaccac ataaagaaca ttgntagggg tacctaa 467

<210> 8212
<211> 481
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-F4
<400> 8212

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cgtcagaaat tgatgataat ccatacaga cacagagcca tccagtagag caccacaaag 120
atgaagatga tgtttcatct ggttcagcca gttttcaaca actagatagt catgatcaag 180
aagtctcaca tgaaaaggat agacctgctg ttgtaattcc aaaccatttg ctaattcaca 240
cagaagaatg cgcgcaatta agttttggaa gctttggagg ttttggatca aggcctttga 300
ncaacagcgt agaagcgact tctgatgtag ctccacaaat cgancattca ngatgcaana 360
aatactgagt tctatggng atgaacatct gggaaagtac aaccagtga aatatggtcc 420
acacacctgc tactggaaat tatgaggatt cctttagaac caaggggaan aggggggttta 480
a 481

<210> 8213
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-033-Q1-E1-C5
<400> 8213

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 cggatcacia acagtcacag atccgagccc tgttttgagt ttacgagaag aatattaaaa 180
 ttctcatott taaccatttt atccgatcat gaatgtgaga gacgagggaa aaactacggc 240
 ggagaaacac ggcggaggag aggagaataa atcaccggag aacaaatggc gatttaattc 300
 tcctctagct caagtgaagt taatgggatt cgtttgtttc tgttgtccag gaatgttcaa 360
 cgctctctcc ggcattggag gcggtggtca agtagattca accgctgcta acaacgctaa 420
 cacc 424

<210> 8214
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-A6
 <400> 8214

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 aagccatata aacacacact ttccaagagc tttcttcagt tgaaatggaa cttattgaca 180
 aacggtttga agatgaagga ttgtttggtc gcaaagaaaa tcattcagta gccaacaaag 240
 aaataacttt gtgtgaatct gctgatgtat ctattaagga gttgataaag agacttaatg 300
 aaggtaagct tttgtaacga attggtgaaga gacaactgaa attttcctan cttgctttcn 360
 gttaatttcc taaatgtgct acgaaaagtt taaggccna aatccttggg gttt 414

<210> 8215
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-A7
 <400> 8215

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gatcaagtag cgagcctcca cagataccag tgtttcctgt tcctttctcat gaagagacgc 120
ggttttcttg ctttggtgag tcagaggcag ctgggtctgc agtaatgata agctataaga 180
tgcctgtaag tgatctgaag acagtgaag attataggga tatgcttgca gaatcaatgt 240
ttctacatgc tctaaaccag agactcttca aaatatctcg taggaaggac cctccatttt 300
ttgcgtgttc tgttgctgct gatgtcctgg tgagcccttt gaangcctat ataatgagtt 360
cgtcttgtaa agagaaagga actcttgcat ccctagagtc taagcttctc gaagttgcta 420
aggtacgcct tcaag 435

<210> 8216
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-A8

<400> 8216
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ctggaatgaa gatgagtata gagaatcaat tttgaaggag cgagagatag agacacgcac 120
cgtcttcaga accgcctggg ctctccggc gagaatctct aatccagacg catttggtgt 180
agcctccagc gatggaactt tagctttcca ttactgaac tcgcttgtgt ctcaatcggc 240
gagttttggc tactcgaaag gtcaagatgt tatggtggct gaacctgaga gagtgggttag 300
ggcacacgaa ggtcctgctt atgatgttaa gttctatggt gaagacgaag atgctttgct 360
acttagttgt ggtgatgatg gtaaagttaa ggggatggaa atggngaaaa 410

<210> 8217
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-B1

<400> 8217
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nnnnnnnnnn nnnnnnngaa aactnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnagagtcca tggaagtgga tacctctgag ttgganaaga aggctgggag 300
 tggagaagga gctgaagaac cttccaaagt tgaaggncctc aaggacactg aaatgaaaga 360
 agcgcaagaa gttgttactg aggctgatgt tgagaaaaag cctgcagacg gaaaagacct 420
 ganaacaaag gcaaccttna caa 443

<210> 8218
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-B10
 <400> 8218

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 gatgctgtga atggatcatt tctgcgctt ttggcttttg gagattcaat tctcgatact 180
 ggcaacaaca attttctcct gacttttatg aaaggaaata tctggccata tggaaggagt 240
 ttcagcatga gaagggcgac aggaagattt ggaaatggaa gagttttctc tgatatagtt 300
 gctgaagggt tagggatcaa gaagatttta ccaagcttat cgtaagttgt tcaattctcc 360
 aagtgacctt agaactggtg tttgcttcgc atcangtggt gc 402

<210> 8219
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-033-Q1-E1-B11
 <400> 8219

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 cttcactttg ttctcttccc tttcatggct caaggccaca tgattcccat ggttgatatt 120
 gcaaggctct tggctcagcg tgggtgtgatc ataacaattg tcacgacgcc tcacaatgca 180

gcgaggttca agaatgtcct aaaccgtgcc attgagtctg gcttgcccat caacttagtg 240
 caagtcaagt ttccatatct agaagctggt ttgcaagaag gacaagagaa tatcgattct 300
 cttgacacaa tggagcggat gatacctttc tttaaagcgg ttaactttct cgaagaacca 360
 gtccaaaagc tcattgaaga gatgaaccct cgaccaagct gtctaata 407

<210> 8220
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-B3
 <400> 8220

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 cctgcattgc tctttcaaat gaatcctcaa cagaaagacc aaaggataat gtagaagcaa 180
 gtgaaagtga accttttagca cctgatagtg gagctgtaac ggtgtcagag aaattatcag 240
 ccgatgagcc aactgaaaaa aacaatgaag gccttaaaga tgttaaattt ctctgggatt 300
 taaatattcc ttgtgatgta gaagatgaag cgtctcgaag agatgaagag ggagaaatca 360
 caagagtcta ttgcccctaa agggagcgaa cctttttagt gaagtnaaca cag 413

<210> 8221
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-B4
 <400> 8221

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 gaggacggag gaggaagctt cttccatgtc gtcctcggc gaacttttcg tcctcacctc 180
 ctcaacacta gttctgggtg tggatttctt aagtgttata gtgactatat tacaagaaaa 240
 tacctgcgga ggaataggac tcaagctata gcagagtatt tgggttcagc ttcagatcct 300

aagaagccaa ctgggaagtc aagttatcat ccttcagaag atatcagagc atatgtgcc 360
gagaagaatc ctgggagatt ctaggctttc acctcctgaa aactgctaaa accatcattg 420
aggtgaacaa aaaaagggaa ncctga 446

<210> 8222
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-B5
<400> 8222

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tgttagttct tcaaagatct aaaatatcaa gatcaggaag aaatgggagg tgacttgaaa 180
agccagctat ctagagagag ccatgtgttt ggacttaagg tgtgggaagt aattggtata 240
gctgttgc at tgctcatcat agctatcctc tctgttcttt cgtgttgtct tacttcgaaa 300
aagaaatcaa gaagatcgaa aaccggtctt ccggttatcc aaactcctcc ggtgggtctcc 360
aaagagatca gagaagtgag agttgagcat gtctcaagct agtaactttg ctctcgtgta 420
aggcattctt ctaacaattc angacaaaaa taacaaagac tcagaaaaag tcatgggt 478

<210> 8223
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-B8
<400> 8223

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gcaggagctt ccagcttgca aaccaattct tacgcctggg tgggtgattt caactcttgt 180
tttgtggccc ttgtcacggc ttcgaatcta cacaatgatg cctgggtgctt aaacttttta 240
ttgcatactc tgggtttaatc actcactata ccaatatata tgctaataat tgtggttcta 300

atcactaatc aatgaaatgc tgtttctaaa gttgcgtact tggtttaaga tcctattgtg 360
 gttcagtttg ggaaaagaac ttgttgaaat aaaatccaaa aggggtanctt cacaagattt 420
 a 421

<210> 8224
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-B9
 <400> 8224

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 gaagaattga aggaacttga aagttgcctt gaggaggtaa gaaatgtcat gcagaaaagt 180
 gaagaagagt atagagatac aaaaacatga aagaagaaaa gacttgtcac tatcatcata 240
 gattagcatt tggtttctgg gtgttgtaaa attaaatcat ttctgttgtt tgggtttatg 300
 ggtgttgtaa aattaatcat ttttgttgtt tgggttaaag acattgttga gatgataact 360
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<210> 8225
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-C10
 <400> 8225

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 aacaagccag gtcctgcctc ccggagcagg cggcgggttt tcggatggag gggcttcggt 180
 ccggttcaac ggtagaagcg cagatgatat cttctcggag ttctttggct tcacaagacc 240
 atttggtgac tcacgtggtg caggtcctc taatgggttc cggttcgagg aagacgtttt 300
 ctggtcaaat gttgttccac cgaggaaagc tgcccctatt gagaagacaa cttccttgta 360

nntttggaag atctctacaa gaggagtcag taagaagatg aagatctctc gggacgtcct 420
cgattcaagc gggaagaccc anaac 445

<210> 8226
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-C11

<400> 8226

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ccgattcggt tgggtttccg attcaatctc ttgccctgat tgcgacgggt gtttcctcga 180
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccatccgc 300
ttctatgcac gccgataaca gtcccaactcc taccatcggt actcgtagac gaagcaaadc 360
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<210> 8227
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-C3

<400> 8227

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agggactgtc tattgcggtt gaaagacttg aagcaggaag gaaaagaaga ggtaacacat 180
ctggagatga gactagcgaa ccaagcaata acaaaaagag gaaacatgat gttacccaaa 240
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acaaacatga actaccatca agccaaaccc agacgccaag tggatatggt gtcacagtg 360
aaaccgttaa gatcacaaga gtaacgtgtg agacagaggt gaccaacana gtcacaaccc 420

ttgactgctc aaaaagtcct tccggaaaca aggganaa

458

<210> 8228
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-A4

<400> 8228

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gatgatncat cangaagggg aggaggggtct ccatanagaa nanaagaact cagtgaaatc 120
acaccaacta ggcttangaa nacgtcaciaa gcacaggaag cacaattcaa gcaccctgat 180
agttccatgt ttgagaatgg ggtgagagat agatggcata aaaagggagc tgctgataga 240
gatggtgcct tgttgatgga tatggaagga cttgttacct aaaaggaaaa aattgtgaga 300
gttgaacaag cagaatgaaa tattctgatg atgatgatgg gattangagc tctgaagaca 360
ttggctgaaa tgtcagctc actgggtccg gctgggtttg tttngatcag aatcatctcc 420
aaactgggaa anaataaatg aanactaaa caacgttgga ttngaaa 467

<210> 8229
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-D4

<400> 8229

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gacgatatcg attggctctc gtttatggag tttgattccc cgaagctgtt ctctccgttg 180
cactctcagg tgcaatctga gctcggttcc tctttcaatg gcttacaatc tgagtctagt 240
gaattgttca aaaaccaciaa tgaggattac attcagactc agtncggtac anatgatgcg 300
gatgaatata tgtccaagtt cttggattct tttcttgaca ttcctatga gccagaacag 360
atcccatatg agccacagaa tcttagctca tgcaacaaga tcaatgatga atctaataga 420

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<210> 8230
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-D5

<400> 8230

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naatgtaaag gttggaatca tttcaaaggt ggaanatgct acgaatttcc atatctatta 180
nggacaagac ctttaaagtc atcaaaaacg ccattgangg caagagctat ctccttannt 240
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tgtgattcca cttctaaatt actcattaga cactcaatct tctcaaggaa ntgttccgng 360
tttctttctt tttagttact tggattacnc gggaagcttg aagggaatan catcgga 417

<210> 8231
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-F1

<400> 8231

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cacattgaga acctaccgtt tctgaagcag cagtatggac tgaacaaaat caciaacgag 120
gccatcattg tgattgaggc ttacaggaca ctacgtgacg gaggtcctta ccctgtggac 180
aaagttgtta gagatttcca tggaaagttt gcgtttatac gcttcgatag cgtcaagaaa 240
actgtctttg ctgcggctga ccccgatggg agtgtgccgt tcttctgggg aaccgatgct 300
gannggcacc ttgtgttttc tnatancacc nagatgggtga anaaagggtt gcgccaatc 360
ttatngncn ttccctaaan ggtggtttct tnancgncn tcggggtnng ntttgaggga 420
actttganca acccaaa 437

<210> 8232
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-F2

<400> 8232

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ccggggccca ccaagncttc ggancaanan agaaaagggg tcnagaatgg cggtcgcaat   60
atcngggagt agtttgatat cgtcgactct tcagcattat aataatcgga tttatatccg  120
agattatccg attccgtgtc actcttctaa tccaatttgc aattctttta atttcaaaag  180
acgttcgttc tctccttctt cccccaatt taacgaccat gtcgttaacc cttcctcttc  240
ttatttatcc tccaagcttt ctccaattcg aaccattcc tctttcgctg cgtgtggctg  300
ctcctggatt caagacaatt caatggttca tgattatgct acaacaacta atgggacgtc  360
caagcgttgc tcggcggttac caacaacaaa cacagtggga tgtctcttcg gtgtcagatc  420
tttttgaatt catatgctcg                                     440
```

<210> 8233
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-F3

<400> 8233

```
natcagttcg cgcggtcctg gaatcccggg nccaccacg cgtccgcaca tagacttact   60
cctggancct nggtnggtaa taatattgag gggaatggtg tgaaaaagac gaaacttga  120
ggagggattc cgagtcgggc gatttgttgt caggtagaca actgtggagc tgatttaagc  180
aaagttaagg attatcatag acgtcataag gtctgtgaga ttcattctaa agctactact  240
gcacttggtg gaggaattat gcagcggttt tgtcagcaat gtagtaggtt tcatgtgctt  300
gaagagtttg atgagggaaa gagaagttgc cgtagacgtt tggctgggca taataagcgt  360
agaagaaaag caaatcctga tactataggc aatgggactt ctatgagtga tgatcaaaca  420
agcaattata tgtttgatta ctcctcttga aagatactct ccaatattca               470
```

<210> 8234
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-F6

<400> 8234

```
tcgggnctcg acccacgcgt naggccgacc ttttttcttt ctttctctcc tctacctctc 60
agcttctgct ggatctctcc ancanacacg atcttggtcg gagagattcg taggggaccg 120
atctatcaag gcttcaaggg caaacagaaa tggaccacga caagacagga tgccaaagcc 180
cacctgaang tcncaagcta tgtactaaca actgcggttt ctttggaatc gctgccacaa 240
tgaacatgtg ttctaagtgt cacaaggata tgttggtcca anaggagcag ggcgctaagt 300
ttgcatctgc agtgtctgga acatcgatcat ccancancat catnaannga aacctttacc 360
ggctgcgttg gtogaatant gangancna atccggttga gccgattacn gtttctgtag 420
nggcattcct ctgtccnaag t 441
```

<210> 8235
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-G1

<400> 8235

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ttatccgncc gcacgggtcca nanatccggg tccacccacg cgtccgcac attgacggta 60
ggagtcacca cttttggcgg cgattccttg ttctctattt tttttgcaca agcaacattt 120
agcttctgca aactccagtt catctctcaa cctcatatc gccgtgtttt ctgctctag 180
taccgcgagc tcggacgaac caggaagcaa tccgttaatc tagaagcggg gttgagaaga 240
tgacgattac atcaaatac tctgtacaga acgataacct cgttgttcaa gggaagacta 300
tccttaccaa aatccctgac aacattatcc taactccggg taccggtaat ggattcgttt 360
ccggttcatt tataggcgcg acgtttgaac aaagcaagag tcttcatgtg ttccccatcg 420
gtgtattgga gggctcttcgg ttcattgtgt ggtttccggg tttaa 465
```

<210> 8236
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-032-Q1-E1-G5

<400> 8236

```

gggcggacgc gtgggtttcg attagctcaa gcctcaaggt gaagcttgaa gcccatcaat   60
ggcggatggg tagcttctgg tctccttgaa gatgaatcgg atttcagcta tttctactct  120
tgtcactcct ctccctcttc ttccgtcgtg ctcttttgtt ccgacacgac ggtgttatcc  180
tcgcagagct actccttatt ccaggcgaat caatctcaag cctctcactt ctgcattgt   240
tctcctcagc cgccgtcgtc agcttgggtca gatcgtggag gaggtagaag ccgctaagaa  300
acggtatggg aggctcaaca caattgtgat gaactcagtt ctggaagctt gcgttcactg  360
tgggaaatat tgatttggct cttcggatgt tccatgagat ggcggga                   407
  
```

<210> 8237
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-032-Q1-E1-G8

<400> 8237

```

gtccgaattt tttttttttt tacttcattg actctttttc tctatctctc tagatcgaaa   60
gggaaaagga gatagagatt gaagatgctg gacgcaatca tcgccgatcc tcttctggcc  120
atcgaccatg aaacagtcgc agagaagaag aaacagagca aaaatctaaa gatttctctt  180
ttactgcttc tgattctctt agcaacttca gggtattata gctttagtga caacattaca  240
acagttttct tatcaagaca agctattgat gatgatcata gtcttagcct tggaaccatc  300
agtgacgtgg ttgaatctga gaatggtgtt gtggctgctg acgacgctcg atgttccgag  360
atcgggtgcct ctgttcttaa aagtggcggg catgcgggtg acgccgccgt ggctattac   419
  
```

<210> 8238
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-H1

 <400> 8238

 gnaantgtta ctctgcccgg caccggtcca aaaaatcccg ggtcnaccca cgcgtccgcn 60
 acgattgaga gtaggattga agctactttc ctttaatcat ttctaatttt gcaaactaat 120
 ttcttcactt tcattcttga tctctctgga aaaataacta atttgacgtt gttggaatta 180
 acttggtgaa tttttctctg caaattgttt ggaataaggt aacgtttcct ctatgtccac 240
 aattttgtgt gttattccaa taattgattg tttttctctc nttctcaatt gttcatcggn 300
 tgatatcnag aatgcatgaa gatctatagg aaatagtttt acattcgcgt agattcggat 360
 tgcaattgtg tagattcnga ttgcgatttt tgcttcangc attangcnct tgatcgatag 420
 ttaagaatgg acccgtnngg attggaaatg tctcctgagn g 461

<210> 8239
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-H3

 <400> 8239

 aaaatatctt cgcgacaaag aaccatcgga gaagaggaag aagatcagtg tanagctatc 60
 gggaaattta tctgaagagg aaactgaaat tganatcgaa gttttgagtt tgggtaaaaa 120
 atggtaggag gagtagaaga attgagtatt gaacagttag cttcgagtat ctctacctac 180
 aaagaacaac tcgaacaggt taggcagctt ttgtcanagg atcctaagga actcgngaatt 240
 atgcatgaca tggggaaagg agcttaaaga ggtgattgca tntnacagag gaagttcttg 300
 caactgcaan agcaaaatga gatttctcna tcanatgccg gagttagtgc tgaagcaact 360
 cctggntcac ccganttana ggggtgcntgg gaaaagacgg nttaaggga aatgacccaa 420
 tcca 424

<210> 8240
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-033-Q1-E1-A11

<400> 8240

acgcgtccgc ccacgcgtcc gccacgcgt ccgcggacgc gtgggcgaaa aatcaggaag 60
aagaagaaga agattgacaa acaaaaagga ttcaccttta gtgactgagt gagagaaaaga 120
gattgaagga aaaaaaaaaa aaaaagggtg aagctttgga gagaggataa ccacgtagag 180
gattctaata cgtggttgca aacgaaggac ccagaatttc tggaatctct tgcttcgata 240
gaatcactct catgtctaac gaagactctc ttccgccttt cactttgttt ggtttggatg 300
atgtcgaaaa ttacggtctg gtcactgaag cagacaattc gttaccttta gatatacaca 360
atcaggtttt tcaacttggtg gagaaggga accaatcatt caaaagagtc 410

<210> 8241

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-033-Q1-E1-A2

<400> 8241

ggggtttata tatagagaat tagatatccc ctccaattac tcaaaattat tatcaaaata 60
agaaagagct caacattggt ctctgactct ataaataact gttcttgga attttccaag 120
agaacaagaa acaaaaacaa aacgttggtt aagtgtggtt ctatagattt cttgtgaatg 180
tcttctgaac aaggaaatgg atcgaatcct tccacgtcac cggaggtaga agggactaaa 240
acaatcccct ttcgccggag attgcaaaga ggacaaagag ttttcgctcc aaagctgatg 300
gaggctctac gtcgatcaag ggtaagctct gaagaagctc cggttaaggca tcttantcgt 360
anatggagaa ccacaacggc gcaaaaangta tantccctaa aagctctaag aaagctcn 418

<210> 8242

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-033-Q1-E1-A3

<400> 8242

taccgatcca aangggtcga gccacgcgtc cgaaaaaaaa aaacagaaca atttcttctt 60
cctctgggat ccataagttt tgagattttg gtggtcagtg tctgatggag tgtaatgcaa 120
agccaccgtt tcaatgggaa ttggaaaact tgatatcttt tggcacttct acagctgaag 180
ttcctagaaa gctaaaacca atggagtggg aaattgatgg atttgattgc acctctctgt 240
attcttcaag ctttgcctat gctggtagtt caggttctga tatagctcat gctttctcta 300
aaagctcaaa gtcaacttcc attagctctt catcagctga agtaagaaca cacaatttta 360
catccgaaac tggtgaaagt cttcctggag aatttgcaaa ggggattgat acttctccaa 420
gtcttgaact ttcctttggc tctggggatt cggnt 455

<210> 8243
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-D2
<400> 8243

acgcgtccgg agaaacttga aacaacaatc tgagcaaaga gcgttttatc ttgttgattt 60
tggaatctcc attacgatgg aaggtgcggc tgatcaanac tacgaaagcg ttatctgaat 120
tagccatggn ttcttctacc accttgaatg ctgctgagtc tagcgtggt gatggagctg 180
gacctcggag taaaaatgct ttgaagaagg aacagaanat gaagcagaaa gaggaagnag 240
aagagacgaa aggacgaaga naaagctgaa aaggntaaac aagcacctaa agcaantcc 300
cagaangcag tggcagcaga tgatgaagag atggatgcaa cgcaatacta tgagaacaga 360
ttgaaatata ttgcggctga gaaggctaaa gggggagaat ccatancctc acaagtt 417

<210> 8244
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-F2
<400> 8244

gaagaaaact ctcgtctgtt aaagctttcc tctgtttacc ttcggagtca atcttgattc 60

cgatgggact cgaatcgggt ttgggagcgt ttgggtgaag acatggagaa actaatgact 120
 gaatcaggtt tgaaaccagt tgttattgat tcgaatcaag atttatctcg nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn ccacgccttt ttgttctcac aagttctgca aagcttggtg gagcaagtat 300
 cttaagaaaa atttcttctc tgtggagaaa aaccacactg caatctcttg tcctgatcg 360
 aaattgtcga gctgctgttg gaccgggaga cggttgaaaa gctaaccgta cgtg 414

<210> 8245
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-F6

<400> 8245
 gcggacgcgt gggctcgatc caccaccacc accaacctca aaagctttca tctttaccgg 60
 tcatggacgg tggttcaggt caaccggcgg ctgatacaga gatgacagaa gtcctggag 120
 gttttccgcg ggcggctcca tcgcctcaga tgccctgggat tgagaatatt ccggcgactc 180
 ttagccatgg tggtaggttt attcagtata acatatttgg aaacatcttc gaggtcacgg 240
 ctaagtataa gcctccgatc atgcctattg gcaaggggtgc ttatggcatc gtttgttcgg 300
 ctatganttc tgaaactaac gagagcgttg cgattaagaa aattgctaac gcttttgaca 360
 ataagattga tgctaagang actctccgtt gagatnaagc tgcttcgtca cat 413

<210> 8246
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-G1

<400> 8246
 ctgttatcct ggcggcaccg ngctccgnaaa atcncgggct taaccacaga ncacagacga 60
 tgtgaagcaa gaagcgtatc ttatctctac gtttcatatt aaagcgcgtg aaaacgaaca 120
 taataaagat tctctttttt ttttttgaaa aatgctagaa aaataaacat gggtcacttg 180

ccacagagcc tctactccgc cgctggacca aagtttccat atcctggaag ctccggtcta 240
 ggagtagatc aacggaagct gacgtggagc cgcttcccgg tgttcctacg gtgcgcgtcg 300
 acggagtcgt taacganttt gactcagaat aatgcggcgg agatagagnt tgangtanct 360
 ggggtgagtca acacgggtgg ggacgtgagg agattganna gcagacgacg anggatgaga 420
 tcaggagagt gtctccttgt ncaaagccga agntttccac atccctcctg gctcttt 477

<210> 8247
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-G2
 <400> 8247

tgttatcctg ccgcacggtc cgaaaatccc gggctnaacc acagaaaaca nacgatggaa 60
 gcaagaagcg tancttatct ctacgtttca tattaagcg catgaaaacg aacataataa 120
 agattctctt tttttttttt gaaaaatgct agaaaaataa acatgggtca cttgccacag 180
 agcctctact ccgccgtgg accaaagttt ccatactctg gaagctccgg tctaggagta 240
 gatcaacgga agctgacgtg gagccgcttc cgggtgttcc tacggtgcgc gtcgacggag 300
 tcgttaacga gtttgactca naataatgcc ggcggagata gagttgangt atctgggtga 360
 gtcaacacgg ggtgggacgt gaggagattg aatagagacc accanggatg aagattnagg 420
 agaantgtcc ccttgttcaa ncccgaagcn tttccanac cctcttgctc 470

<210> 8248
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-030-Q1-E1-G3
 <400> 8248

gcttcttctt ctctatcctc tgtttcttct tcatggagac ttgaaagctt ttaaagtata 60
 tctaaaaacg cagtcgtttt aagactgtgt gtgagaaatg gctctgttta gagatattgt 120
 tcttcttggg tttctcttct gcttgagctt agtagctact gtgacttcag aggagggagc 180
 aacgttgctg gagattaaga agtcattcaa agatgtgaac aatgttcttt atgactggac 240

aacttcacct tcttcggatt atttgtgtctg gagaaggtgt gtcttgtgaa aatgtcacct 300
tcaatgttgt tgctcttaat ttgtcagatt tgaatcttga tggagaaatc tcacctgcta 360
ttggagatct caagagtctc ttgtcaattg atctgcgagg taatcgcttg tctg 414

<210> 8249
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-G9
<400> 8249

aatttgtttc caaataacat tctctcttta acacagccgc ctttgtgacc gtccgatctt 60
aaatcagcgt ttccggttca ttgacggca actatctctc tctctctctc tagagaattg 120
atgaagaaga gcatctatct tttttgtttt tgaaaattaa caacacttca cgagggttga 180
cctgtttcgg tgggtgtttct tcaattccgg attttgatct ttcgtttcga tcgaagatca 240
atcaaagtct ccacctttct tcaatggatt tggatagcat ggactgtaca tcaaccatgg 300
atgtgacaga tgatgaagag atccaccang atcgccattc ctacgcttct gtttccaagc 360
atcatcatatc taataacaac accaccaacg ttaatgctgc tgcttctggg cgtctcccca 420
a 421

<210> 8250
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-030-Q1-E1-H1
<400> 8250

gcccacgcgt ccgtcacatc tctctctgtc tttctctctc aaacctaaca aaagcttcag 60
acttcaattc tttagctacc tctctcccat ggcacgttcg aatgtaccaa aatttggaaa 120
ctgggaagct gaggagaatg ttccttacac agcttacttt gacaaagctc gtaagactcg 180
agcaccgcgt agcaagatca tgaacccgaa tgaccgcgag tataactctg actctcaatc 240
acaagctcct cctcatcctc cttcttccag aaccaaact gagcaagttg acacgggttag 300

aagatcacgt gagcatatga gaagccgaga agagagcgaa gttgaaacag tttggtgatg 360
ctggtggttc atcaaagaa gctgctaaca aaagacaagg aagagcttct cagaaca 417

<210> 8251
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-030-Q1-E1-H2

<400> 8251

gggaaaattg tacctctcca attctctgct tccgtcatcg tagatccatg agatcttcag 60
cgggaaagct tctctcccat tctctacgga gaaaccgcgg gaaacttggg gatggatttt 120
ggattccggc tacgaggtct cagaagatgt ggaattcgac ggtaccgtca gatgaaaatc 180
ctgatcaaaa ttcatcgat gcaggatctt caatgcggaa accaattagc ttatggcctg 240
gaatgtatca ttctccggtg actaatgcgc tttgggaagc tcgtcgtaat atgttcgaaa 300
ttctaccgg agacgacgt tctcagtcaa aattgacggc taaatctccg tctcgaagcc 360
gaacgtcaat tctctaaaag ttttcttccg attttgttct tcgaagaaca atatag 416

<210> 8252
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-030-Q1-E1-H5

<400> 8252

cgtgggcgga cgcgtgggca aaacgttaaa ctgtgtgaga cttcggagat aaaatttccc 60
agaaagcgtg aaagggttaac cggaagaaaa tgccgtcaca agatgatgtt caaaatcttc 120
caatcgatat caccttctct cgtctcggag tgatcgggta cttggagggtc aaaaagggtg 180
atgagattct cctgaagaca actccggaaa gccgcaacat ctttggtcga ctttcgggtg 240
cttctggtgt ttgggaagca attgttcgtg cgtttgaaaa agatcacatt tatcttgggg 300
aggcagctca gataataatt cagaatgtta attacgaaat cccttatttg aaaaagcaag 360
tgcaaaaggt tcagcaacaa atgacagaac ttgatcgtaa agaagct 407

<210> 8253

<211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-H7

<400> 8253

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actgacgacg atacaagctc tctcaccaac ggcgacagta tctttgccgg cggcgggagc 60
gcttctgctt aatctgtagc tcaaactaaa aattctctgg gtattactca tggtgatttg 120
gaataacgat gatgatgatt ttttggagat tgataacttt caatcttctc cacggtcac 180
tccaatacat gcaatgcagt gtacggtcga aaatctagct ggtgtaccgg tgacaactag 240
ttctttgagc tctcctactt gagacaactg atttagttca gatgggcntc tcanacgagg 300
tttttgctac attgtttgac atgggatttc cctgttgaga tgatttctaa gagcgatcaa 360
ggaaaactgg accaaatgta gaaacttcgg ttataantga tactatc 407
```

<210> 8254
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-H8

<400> 8254

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cggaggactc ccaaaacaga accaagattg ctgagttgct ccgttaccac tcaaccaaga 60
gcggtgatga attgaccagt ctcaaggact acgtgacaag gatgaaggaa ggtcagaacg 120
atatcttcta tatcactggt gagagcaaga aggctggtga gaactctcca ttccttgaga 180
agctcaagaa gaaggggtatt gaagttctct acatgggtga cgctatccga tgagtatgct 240
attggtcagc tcaaggaatt cgaaggaaag aagcttngtc tctgcaacca anggaaggtc 300
tgaaactggg atgagactga anactagann aacaagaaag aaganctcaa gganaaattn 360
```

<210> 8255
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-A10

<400> 8255

aaactaattc caaaacgttt cttcatcaga tccaaagatc gtccactgt ctctaagtcc 60

cccacgggtt ttctcttcgg atccgcttcc tcatcttccg gccaaagactg taaaaactcc 120

ggtggtgatg gcgggtggcgg ttccggttacc ccgactagca ttctcccga ggttcttct 180

ccttattcct acgtcgagat tctccaagcg tttaagttga tagacagaga caacgacgga 240

gctgtctcta gacacgatct tgagtcgtta cttagccggc taggtcctga tcctttgacg 300

gaggaggaag atcaacgtta tgcttaaaga ggtggactgc gaangcgaag gtacgattcg 360

tcttgaagag cttgcagtcg tgtagtcgcc ttagatccgg ctct 404

<210> 8256

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-031-Q1-E1-A3

<400> 8256

tttaccttgc ccgtgncccn tгнаagtcca naaattcccg ggtenaccca cgcgtccgca 60

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caaagagaat gatgaatcta ggatctcttt cgttgagtac gagcaagtcg agtaagccaa 180

tggttagcat cagcttttgg ataccgtatt tcaactactg gggagagagc ctgctggctct 240

gtggctcggc tcctggactt ggttccggga atgtgaanaa aggtttgctg ctaaagccat 300

cccagcaaga tgatcagctc atctgngagt ggctctgtct cggttccacc tgggtttagc 360

tctgactatt gttactatgt ggtggatgac tcgaagagtg tgttaaggtc cgagtttggg 420

atgaaacgaa aacttgtggt gcctgagaca ttgancgggt ggag 464

<210> 8257

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-031-Q1-E1-A4

<400> 8257

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 aaaacttttg atccatcttc caactctttc gtaatttgaa agaagaagaa gaagagatac 120
 caatggcggc gtttacaggg acaacagaca aatgcaaggc gtgtgacaag acggtatacg 180
 ttatggactt gatgactttg gaaggaatgc cttatcaciaa gtcattgctt aggtgcagcc 240
 attgcaatgg cactctcttg atatgtaact actcatccat ggatggagtt ttgtattgca 300
 agacccattt tgaacagctc ntcaaaggaa tcctggaaat ttcagccaac gaatttccaa 360
 acagcctggg aaagaccgga gaaatccnaa tggatgcgna cgaaaggctc caaacanggg 420
 taacnaccct tctttaagcg gncancaciaa cngacaaaat ggtgcanncc ttgtaagnaa 480
 aaaccagttt anccctccta 500

<210> 8258
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-F1

<400> 8258

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 cttcgtttgc atcaggaaag agcgagaatg gcgggaggag gaaactttat tgcgagagtg 120
 atctcatacg ttgcgaacga gttcatagtt aatggtttgg caaacagcca tgctttccag 180
 agatttgctg tgaggacttc aaagagaata gaaaacctct ctaaaatggc tgcagagaac 240
 aggagagaaag tcgctcagca aatggaagaa tttgccaaaga acattgactc cacgaagaaa 300
 ccctgatcat tctagtgtgg aatcttaaaa cctcagtaaa tcacatgggg tcagctcaag 360
 tanggaggtc gttatctttg tataaagaat gttaaaaagt taataagctt gtggattaaa 420
 caaccagtga tcttttggtg ctgtttccct t 451

<210> 8259
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-030-Q1-E1-B9

<400> 8259

gtttacgctt gnccgtagcg tgtccgaaaa ntcacgggtc gacncacgcg tccgcccacg 60

cgtccggcct tgagagaaac ttacgtgtgt aagaagctag aagctaagca aaggctggag 120

gatctcaagc gagattgtga cctgagcta aagaaagata ttgaggagtt aatggagata 180

tctaccgaaa acgagagggtt acaggaggag attaaacttt ctggcgagct caaagaggca 240

aagagtgcga tgcaagaaat ttatgatgaa gaaagttcat acaaaagctt ggtgggttca 300

ctcactgtgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca gtcgtaaagt tgatgatttt 420

tctgctgaga aagctaaaga agtcattgat ttggctaacc aaggang 467

<210> 8260

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C1

<400> 8260

ctgggtattcc tgcngccagc gngtccgaga aatcccgggg tcgaccacgc cgtccgggaa 60

aactaagaaa ggttctgtgt ttanggttct ggttctggga agctcgttct caccggaaaa 120

ccgaagaata tgatcggagt cgggaaaatg aaacagtact ccaacgtcct tgacaagcct 180

ctcagcaaag gcaagcaaga ggtgagcttg accgcatttg ctttcttatt ctcggagctc 240

gttcagtaca atcaaaccga ggttgacaat atagctgaac ttgaaagaag actagaggat 300

gctgggtatg cagttggatc tcgagttcta gagcttcttt gcaaccggga aaagggaaac 360

agaagagaga cacggttact gggaattctg tcnttcgttc acagtactgt gtggaaagtg 420

ttgtttggaa aggttgctga ttcacttgan naaggaacag aacatgaaga tg 472

<210> 8261

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C2

<400> 8261

ctgttatacct ggccggccag cggtcognaa aatcccgggg tcgacccacg cgtccggcga 60
aaacgccctg gtgggcccgc gttgctgcgt gtgacgggtg tggatgattc acagtccacc 120
tangctcgtg ggggaggact caccttggtg ngtgagaggc ttgcaacttt ggcgcagtca 180
tgtggtgtcc cgtttgaggt ttcacgatgc natcatgtcn gggtgcaagg tgcagcggga 240
acatctcggg ttggnacctg gctttgctgt tgttggtgaac ttcccatatg gattacanca 300
catgctagac gagagcgtaa gtgttgaaaa tcacanagac aggctgctgc atctgatcaa 360
gagcctctcc ccaaaaactg gttactccan tanagcaaga atccaacaca aacacctcgc 420
cattcctgtc acgggtttgt ggaaacactg ggattactac acaacgatgt 470

<210> 8262

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C5

<400> 8262

tttacnctg ccggcacagg tccgaanact cgcgggtcga cgcacgcntc ngcncacgcg 60
tccgcccacg cgtccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnattg tcttgctctg ttctatttaa cttttcttat atataaaaaa aatggcgaaa 180
aatttactag caatatgtct ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcaa 240
gggactttct tgttaaagct ttacttgagg aggaagtttc ccagacgttg tatcgacttt 300
gccccttatg ctggcaaagg tatgttgatg ctcggtgagc aaccttgaag gtggatgtcn 360
cngcaacnag agagttcaaa gaatncgttt caacgttcaa ngtcntacnn gaggtttatn 420
agctcaggca tcg 433

<210> 8263

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C6

<400> 8263

gctgaaacta agaagccatg gatgctcaat atcaagatct acctcctctc aaaagattaa 60
gactgttgca gagagatctc gaagctgctc aacagcacca gctaccgaac caaccggaga 120
tgaagtcggt gcagttgccg gcaaagaaga ggaagcagac tcgtgttgat tatgacgatg 180
acgacgcaga gaactccaat cccacctatc attgtcttcc ggcaagaaa aggatctggg 240
cgattgatcc cgatcttctc tccggtggtg ggtaaccctt ttccgccttt tgatctaaat 300
gtagagtata agccctatgt tgaagaagan atccatttga gaaaaaatcc actcctaaat 360
gttgaatcta gtccaagang tnnaagaagg atgatgggta agnggaatt 409

<210> 8264

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C7

<400> 8264

ggaaggagaa gaaaagtgtc ggagagaaag aagaagccaa tcatcatcgc cagttgttct 60
tctcttcgag atattcaaat cctccgtctc tagagaattt catatcaaga gaatcagtgg 120
tttctgtagt ttgtggtggt ggtggttgga aggtaagata ggatatggcg caggagcagg 180
aaggagcggg cgttgagaaa ggtgagccga atgattcctc cgccgctgcc gtggccgcaa 240
ccgcaaccgc aaccgccgat agcgtgaaga agaagcaaaa tggattcttt tcgcgtttgt 300
ggaatgggat atttagggtt agaggtgacg atttcgagaa gagacttcaa tacatctcaa 360
gggaagaagc tactgtttta tcaaggatga agcgtanatc gatttcatgg anggagac 418

<210> 8265

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-C8

<400> 8265

ggagtgaagc atatanagag agaaagatgc cgggtgcacga tgagcaagag catgaggtgt 60

acggtggaga gatcccagaa gaggaagaag gtgagatgga tacggaagag tacgaagaac 120
acggcggaga agaaggtgcc gccgccggag atgaggagct tgaacctggc tctagctcta 180
gggacttgga ggatatgaag aaacgaatta aggagattga ggaagaagct ggagctttgc 240
gtnaaatgca aagccaaggc tgagaaagat atgggtgcta atccagaacc ctcaagttgt 300
gttanttgcc ggctgaaaaa ggnanaaatt gaatccnctg tccaataata atgtttggca 360
attgttggaa ctaatgccat gtnactncca agaanggaaa ntccaagcca accaattttc 420
caatccatgt tg 432

<210> 8266
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-D2
<400> 8266

agntttctgc gccacggtcc gaaaaccggg tccggccaag cgtcgggaaa cccannagc 60
atcgangntc gtcgategtc gatcggttgc tctctttcat taatcagatc taattgatac 120
ccaagcttct tcatcggagg ccgtatctca cgaggaaaca tgggcggtag atttggagtc 180
ctcctagtcc tcttctctct gagctggtct tgtcatgcta caaaccgat tccntctcga 240
aaccattcga aatcagctca tgatggacaa accaaagtct gtgaaactaa tgttgacaag 300
ttatggncac gcctaagtca ttggantaac cttcaaagac tacgacaanc caaggantgg 360
aactccgttt gaagggncct ttcatanca agctggctcc tcaaggantt tccnccntc 420
ctcaaagana aaacaagtgg tccttttcca aatngggtaa ggattcaatt aacaaccca 480
anccttttnt cctttcaaga acnaagtc 509

<210> 8267
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-D3
<400> 8267

tatcctgcng taccgggtcc gaaattcccg gggtcgaccc acgcgtccgc cgcaacgctt 60
cctactccac cggattccaa aacgccaccg tgggccaagc tccagacaga gtcaccggac 120
ttttcaactg ccgtggagat gtctcaacgg aagtttgccg tagatgcgtc tcctttgccg 180
tcaacgacac cttaactcgg tgtcctaacc agaaagaagc cacactttat tacgatgagt 240
gtgtacttag atactctaac cagaatattc tctcgacact aataaccacc ggtggagtta 300
tcttggnata caccgggaat gtgacatcta nccanctaga cctgttaagt ganttggttt 360
tgctactct gnaccaagcc gccaccgtag ccttgaacan ttccnaanaa ttcggtacga 420
gaanagacaa gttnactggc gttg 444

<210> 8268
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-D4
<400> 8268

cacggtccga aaaatcccg ggtcgaccca cgcgtccgat canctgatca cacggngaag 60
ataatcgacg gcaaggcgat tgctcatacc atcagatcag agatcgccga ggaagttcgc 120
ggtctatctg agaaacacgg caaggtccca ggactagctg tagttattgt tgggagccga 180
aaggattcac agacctatgt gaatacgaag aggaaagcgt gcgctgangt tgggattaag 240
tcatttgacg tgggcctacc agaggaagtt tctgaagctg atcttantac caaagttcat 300
gaactaaatt caaatcccg atgtccatgg catattagnt caactcccat tnccgaaaca 360
tattantgag gaaccatata tttgggtgca atcagcattg ntaaangatg tccaanggct 420
tccatccct 429

<210> 8269
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-D7
<400> 8269

gaaaaagtct cgcacactct ctangatttc ctttgctcct tcgttctggc catggcaatg 60
gcaaaactcg caattttcac cactcttatg gccatactcg taatgacatc tcaaggaagg 120
attccaacag aaggaggaga gaaagaagca gaggctgaca gaattacgtc acttccaggt 180
cagcctaacg tcacgttcga gcagttttcc ggctacgtca ccgtcgataa actctccgga 240
agatcactct tttattggct cactgaagct tctgacctcc ctctctccaa acctctcgta 300
ntttggctca acggaggacc gggatgttcg tccgtagecn acggtgcntc gaaggagatt 360
ggaccaatca nggataacaa aggtgggttc gggttggtanc ct 402

<210> 8270
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-030-Q1-E1-E4
<400> 8270

gactgattct tcattgacgg taggagtcac cacttttggc ggcgattcct tgttctctat 60
tttttttgca caagcaacat ttagcttctg caaactccag ttcattctctc aacctcata 120
tcgccgtgtt ttctcgctct agtaccgcga gctcggacga accaggaagc aatccgttaa 180
tctagaagcg gtgttgagaa gatgacgatt acatcaaata tctctgtaca gaacgataac 240
ctcgttggtc aagggaagac tatccttacc aaaatccctg acaacattat cctaactccg 300
gttaccggta atggattcgt ttccggttca tttataggcg cgacgtttga acaaagcaag 360
agtcttcatg tgttcccat ccggtgtatt ggaggggtct tcggttcatg tgctg 415

<210> 8271
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-E6
<400> 8271

cgtcctaagc catgaaatag tcgcaaaggc cctttcttcg tcttcgtttc taattgcttt 60
cgacgacaat cgatcgtaga gaagtctacc tcgtagacat ctctctcaca aatccaattc 120

aattaccatt gtttgttatt atctgatgtc gaatatgcaa ttctctcgtg gttttaatcc 180
ctttgttata ctcttctgtc tcgccgtggt tgcaccaatt atatcggctg atgtcgctat 240
cttgagaacg gactattacc aaanaacatg tcctgatttc cananaattg tgcgtgaagg 300
ccgttacaan nagncaagtc caanaaccaa caactgcggc cgggaccctc cgtcncnttn 360
nccatgantg tttccttgaa ggttgtgatg catctgtc 398

<210> 8272
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-E8
<400> 8272

aaaaacccta gatttcttct cttaaaaccc acatcgaatc tcaactcaga accaacaatg 60
ctccaacctt tctcttctc ctctgttttc tcgagaatcc tctggacttt cttggtttaa 120
gaagattcgt tggtgaatca gagagaaaga aagcatccat ttttctatca ttgcttgctt 180
gctatggaat tgggtaaadc tcgattctac ttatgttgca attgcttttc tcctgttaga 240
ttttccgatt antcttttagc tgggaagtga ttannccaga cgccatctcc atcactttca 300
antgtattcc tataccttct tctgaagatt cttcgtatct ctcgattcga tgtttanaaa 360
cttcaaattc ttttccaaat cttgaaacga atttctccca na 402

<210> 8273
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-B3
<400> 8273

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnattgtc ttgctctgtt 120
ctatttaact tttcttatat ataaaaaaaaa tggcgaaaaa ttacttagca atatgtctgg 180
tgtttatggt tgcataaggt gtggtttatg aagtgaagg gactttcttg ttaaagcttt 240

acttgaggag gaagtttccc agacgttgta tgcactttgc cccttatgct ggcaaaggta 300
 tgttgatgct cgtgagcaac cttgaagggtg gatgtcccgc aactagagag ttcaaacaat 360
 tcttttcaac gttcaagtct taacatgagc tttatcagct cagcatcgat atccgcatcg 420
 aaaaacatcg atgtggagat gaatggggan atgtga 456

<210> 8274
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-029-Q1-E1-F12
 <400> 8274

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 tttagtgaat tctacaagga gtatactggc cctgcaagtg ctgtgaccaa caacaatatt 120
 caagacaaag acaaacctgt caaacaacgt tctgaagaaa gatgtgatga agaagaagag 180
 caacttctcg atcccaactc tgtaccaact gatttcacta gccgtgaagc taagggttgg 240
 gaggctaaat ccaaagctac tgagaggaat tggaagaaga ggaaagagga agagatgac 300
 tgtaaaattt gtggcgagtc tggatcatctt actcagggat gtccatctac acttggtgcc 360
 aataggaagt ctcaagaatt ctttgaaagg gtaccagcta gggacaat 408

<210> 8275
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-F3
 <400> 8275

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 ctctgttttt cgatagacac aaactatgac ggagatcgat cgttcacgcg cgttcgccan 120
 ggacgttaag cgtatcgtcg tcaagggttg gactgcagtt gttactggga aaggtggaag 180
 attggctctt ggacgtttag gagctatctg tgaacagctt gcggagttaa actcanatgg 240
 atttgnngtc attttgggtg catcnggtgc cgttgggtctt ggtcgacnaa ggcttcgata 300
 cagacaatta agtcaacagc agttttgcag anttacanaa accacaanat ggaacttgat 360

gggaaggctt gtgctggtgt tggggcanag caat

394

<210> 8276

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-G1

<400> 8276

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tatagtacaa gtacttcaat ttgcattgaa ccctcacatt gaatcatctg atttgcagaa 120

aaaggagatc tctttatgta aaagtctctg agaattttgg tttaaagaga ggatttttacg 180

gagatgggtt tgttggaatc ggtgaaatca atcaactggg aacatgaatc atctccggtt 240

tatcaggatt ttcgagttct tcctctcttc gctgtgttct tcccttcgat tgcattttctc 300

ctcgatagat tcgtcttcga gaaattggca aaatatttga tctatggaaa acatagacag 360

gatatgggag atgacacaac cgagagaaaag aagaagatca ng 402

<210> 8277

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-G4

<400> 8277

gggaggagct cgatccattg attagaagat gacanctcca caagtgaaga ccggtttggt 60

ccggttgggtt gaacaaggga catgtngtta ccagacgtga attanctcct cgtcctcggt 120

ctcgcaaagg aaaaacgagc aagaggacaa tctttatcag aaacttgata naggaacttg 180

ctggatcaagc tccctatgag aagacaatca ntgagctttt gaangttggt aaagacaaac 240

ntnctcttaa ggttgctaag angaanttgg gaanccacaa ganaaccann cgaaanagan 300

aggagatgtc cagtgttctc cgcaagatga ggtcnggcgg tgggtggtgca actgagaaga 360

anaagtgaac gtcactntaa ntttgtgaat cgctcgtaaa gagttatggt ttctt 415

<210> 8278
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-G5

 <400> 8278

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 gaaactccac cgttcaagcc ggtcactgct ccaacggacc ggcggaacaa ggagacaaaa 120
 agatgggtga atctccagat ttcataagcg atctacctca aagcattatt gagaatatcc 180
 ttactcggct ttcgattaga gatgcaataa gaacaagtgt attatctagc aatgggagat 240
 ataaatggtc tacactcact gatcttgtct ttgatgagaa atgtgtttct ctttctaata 300
 accgttgtgt tgttgagact aatcttgtga gattcattac tggagtgtt ctccttcacc 360
 aagganctat ccacaagttt caagcctct a 391

<210> 8279
 <211> 341
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-H1

 <400> 8279

 aaactaattc tctggtaacg attgagaaga atctctcttt tctccactga gagaatcaca 60
 ttctgagaga tcagacaaga agaaacaatg gtggaaggag gaattgcaa agcagacaaa 120
 acagagttca cagagtgttg gagaacaaca tggaagacac cttacatcat gcgacttgct 180
 ctctccgccg gaatcggagg tcttctcttc ggttacgata ccggagtcac ttccggagct 240
 cttcttttca tcaaagaaga ttttgatgaa nttgataaga aaacatgggt tcagtcaact 300
 attgttagta tggcantggc tggagccatc gtcngagcaa c 341

<210> 8280
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-H12

<400> 8280

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ttctcgtcgc tggttcttcc cgatctttgc tatagttctg gattcaaaat ctttcttccc 180
caatagatgt ttgtctctta atttttgatt tttctgcaaa atcaaatttt taagagctat 240
ggaggaagag aatgttacta gttcaccttc aacaccngt acataggctt aggcacgaa 300
gaccgttcna atgaggttgt tacggatngg gataaagtga atgcaagtcc tttgttggtt 360
aaggatcgga ataagtacaa atcnttcatg gtccggacct antctacg 408

<210> 8281

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-H2

<400> 8281

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ctctctccct ctcccaaaat ctcacgatgc aacctcagcc gcataattct ccgaacaccg 120
caactgccgc gatctcagcc gcgcttgaat ctcagcgcag tagaaaaaac cgaggaagtt 180
acaattgccc tagatgtggt caacctaaga aaggccatgt ctgtctttta actgctccac 240
ctgatattcc cactantccg atcgcttctg agccagttag ctgcatctcc gccgccgcat 300
cttcttcccg ttctactgtc ttatctttaa cagcggcgcc gtcacgcga cagacattca 360
ctcacttacg ccgagcttta tcgttcgatg acgtcgatgc gcgtaattca ctcgatgaat 420
ccgatctgga tgctgcatcg atggatctgg atctacaatt ggatac 466

<210> 8282

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-H3

<400> 8282

gccccacgcgt ccgcccacgc gtccgggacg aggttccaag agaacttagc ttcttgttct 60

acgtacgaca ccaaaaatta attcaaaaaa gaaaaagaag agagttcaat gagaaaacat 120

tctcttgatc gatggctttt aacagctgtt cttgtcgttc tctctcgtc ttcttcctcc 180

ttcgcgggcca agaaggacgc caagaagaan aagaanagta ataaggaggt gacatatgat 240

ggaacctctt tgatcatccg atggcanaag agagcttctt tattctggct ctattcatta 300

cccgagaagc actccggaaa tgtggccang tatcatcaaa gagagccaan caaggcgggt 360

ttgaacacga ttcagacata cgttttctgg aatgtacatg aagcctca 408

<210> 8283

<211> 338

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-H5

<400> 8283

gctctgcgtt tctttctcgg ggaaaaataa tatctgagaa gaagattcga gagagagaga 60

tctgaacggt ttttcgttta gtctccaatg ggaacgctac agtcatggcg aagagcttac 120

ggagccttaa aagacaccac caaagtcggc cttgtccgag tcaatagcga ttacgccgaa 180

ttagatgttg ccatagttaa gntactaacc atgtcgagtg tctcccaaag atcgatcatct 240

caaggaaaat tttctcgcga acgtcagcna ttaggcctcg agcaaagtgt gcttactgca 300

ttcatgctcn ctcccnanaa ttaacccaaa nccagaaa 338

<210> 8284

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-030-Q1-E1-A12

<400> 8284

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aatggcgact cnttanaagt caagttcctt ctgtatcagc agttttctct ctttacacat 120

ctttttccgc aatcacgatg ctttttcgaa caatcctcaa cgagattgtg cctaaaagaa 180
tcagagagta catagctatg aaagctgtag acttcttctc ttcttacttt caatctgatt 240
tcacttttgt gatagagcaa cgttgggagt ttgttgagaa tcagacgttc cgtgctgctg 300
aagtttactt acctacctgt ctgccggac tttcnacagg caaacttctt gtgggttcaa 360
gtaatcttaa gaatccaact gctgagccaa nacttggtaa tccctgtgga acaccnaaga 420
tcattg 426

<210> 8285
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-B1

<400> 8285
gcgggagcgc tgggagaaaa tatgaggcga agaactaagt caaaagccat catcagctca 60
gtctctgtca ctgagagagg gcagaaatag gtttcctttt ctgtccctgt cacagagaga 120
gggcagattt tttccttctc tatctctttc agagagagat ggaagaaagt tttcttttct 180
cagtatgttc tcttttctca tgccactgtt ggagggttatt aagattatta ttgcttctgt 240
ggcctccgta ntcttcgtcg gtttcgcctg tgtaaccctc gctggntctg ccgcagcatt 300
agtcgtaagc accccggttt tcatcatatt taagtctgt tctcgtacca agctacgant 360
agccacggtt gtctttggcg acagggattc acggnccggg tggctcnttt ggaagcgaan 420
agcatt 427

<210> 8286
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-B10

<400> 8286
gcncatttta cttatctgaa gttcgtctac gatggaggaa gagaaggtga gggttcgtct 60
ggtgtttgaa gaccgacgga ttctgagtaa gtatcaaaag aagcaaggtt taacacggag 120

ctgggttggt ctaaatcgta aatgtcacccg aactatatca gagttttctg atcatatctt 180
tcacacattt agcctctgtg aagcgtgtcc tcatggcctc tctctatcta tggaagggtt 240
cgttttgccca cctttcgagt ccagctgtgt attgaaggat aaagatatcg tttgtgttaa 300
gaagaagaaa gagtctttgt tggagattgt tggggaagac agtgatgaga atgtttacaa 360
cgctattgaa gttgaagaaa aggctcaaga tcctcctggt gaaaaagctg cccttcnaa 420
tga 423

<210> 8287
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-B11

<400> 8287
tggtatttgg ccngccgggc caaaatnccg gtcgaccac gcgtccgctg agtcgagatt 60
tggtgacgtg atgaatcatt tgggtgataat ctctgtgttc ttgagctcag tattgttgtt 120
atatagagga gaatctggaa tcacaagtag ttttattoga tctgaatggc ctgcgggtga 180
tataccactt gatcatcatg ttttcaaagt cccaaaagga tataatgcac cacaacaagt 240
acacataact caaggtgatt atgatggtaa agctgttatc atctcttggg ttacacctga 300
tgaacctggt tctagccaag tacattacgg tgcggttcag gggaaatatg agtttgttgc 360
tcaagggact taccataact acacgtttta caagtataag tctggcttta ttcactcactg 420
ccttgtctct gaccttgagc atgatacaaa atactattac aagattgaa 469

<210> 8288
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-F1

<400> 8288
ntaccaccac aatangttan gcttcacacc ttaangtgaa ttcaanngaa actattgtcg 60
gctggtattc anctgggtgct ggggttaatg gcngtagttc gctgattcat gatttctatg 120

cnagagaagt acccaaccca attcacctaa ctgtggnac tgggtttact aatgggtgagg 180
gtactatcaa agcttttgtc tcttcaaacc tctcactcgg tgatcgacaa ctctgttcac 240
attttcnaga gattcctgtt tatctccgca tgggtgatgc tganagagtc ggattcgacg 300
tactnaaacg caacatcagt tgacaaactc ccagatgact tggaangaat ggagttaaca 360
aatgngang ctgttaactc taagcaacga tgtctacaaa ta 402

<210> 8289
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-030-Q1-E1-B2
<400> 8289

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gtttagactc tgttgtctat ctccgattt actggctcgg gcttaagatt tttgctccaa 120
tagcaatgct tgcttgggca gttcttgatc cggttaattg gacaaacaac gagttggagt 180
tggctaagca ttttaagaat gtgacttcaa gtgatattga caaactaaca atttcgaata 240
tcccagaagg ttcaaataagg ttttgggctc atatcataat ggcttatgcc tttacaatct 300
ggacttgta tatgctgatg aaggagtatg agacagttgc taacatgagg cttcagtttc 360
ttgcctcaga aggcgcgcga cctgaccagt tcaactgttct tgtaggaat gta 413

<210> 8290
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-H9
<400> 8290

gcggacgcgt gggcggacgc gtgggtgagc cgatggctat gggaaaagat aagaagaagg 60
tgtggaaga agctgttgaa cgcgagagtt gtgtacctcg gtgaggcgga gcaagtgcct 120
accaaagacg acaaagagct tgaactcgaa atcgtagaa acctgaggaa gagatgcgtt 180
gagagcgagc gtcaaactc ttagcactg gaagcattcc ctctcgattt gcaggatcag 240

cttaatcaat acatggataa gaggatggac ggagagacat tgaagtctta tgtgacacat 300
 tggcctgctc aacgttggca agaatatgaa cctcctttaa gttantgccg cgataactct 360
 gttagactaa ttgcttgtng gnactcctct caaggtttta agaactgtcc aagcaaaang 420
 tatcccttg 429

<210> 8291
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-A1
 <400> 8291

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 gccttattca gagtgtagag gaggatccaa aagaaaagag gaaaaaatgg actatatgta 120
 tggaccaggg agacaccatc tgtttgtacc aggaccagtg aacataccgg aaccggtaat 180
 ccgggcgatg aaccggaaca acgaggatta ccggtcacca gccattccgg cgcttacgaa 240
 aacattgttg gaggatgtta agaagatatt caagaccaca tcagggacac cttttctgtt 300
 tcccacnacc ggaactggtg ctttgggnaa attncctngc caacnncttt nccctngana 360
 anaggattgn tccttcnecn ttgggncaat ttacctgccc cnggatttgc caccaaaaaan 420
 ggttttt 427

<210> 8292
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-028-Q1-E1-A10
 <400> 8292

gcaacaacaa agtcacttac aaagaatgtc tcaagaacca cgcggcggcg attggtggtc 60
 acgcgcttga cggttgcggc gaatttatgc cgtctccttc gtcaacacct tccgatccaa 120
 cttctctcaa gtgtgcagct tgtggttggtc accgtaactt ccaccgttct cagatctaaa 180
 cttcgccgcc gcggctaacc atctctccgc cagcctggc tcgaggaagc gattcaggac 240
 gaagtttagc tcaaatcaga aagagaagat gcatgaattc gccgatcgaa tcggttgga 300

gattcagaaa cgtgacgaag acgaagttcg tgatttttgc cgtgagatcg gagttgataa 360
 aggtgttctc aaagtttggg tgcataataa caaaaactcc ttcaaattct ccgg 414

<210> 8293
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-A2

<400> 8293

ctgttacgcc tgccagtanc ggtccganaa ttcacgggtc gaccacgcg tccggtttac 60
 ctaattcagg tccaccaagt aaggcagtcg tctggagaga aagaacgttt attgacctag 120
 aggctgatac tgataccaat agtagtcatg aagccgtcat tcatcaaat cacttggatt 180
 caagtttaac ttctcaccaa cagcgccctt tgtatccata tattcgtcca gattctgctg 240
 tctcctggaa ccatttgcac tcttcttggc aaaatcctag ctttggattc cctcagaaag 300
 ttgcttcagc tcagagatat ccggttctaa acatgtctga tacactgatt ggtaatgctc 360
 agaagcaagg gtatcttggg gatagattgc agtttgaaag caattctaga tttgactcaa 420
 ggtgcgggaa ttccagtcgg ntaaaccacn atnagntttt aaaatggaat ggtcccctt 479

<210> 8294
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-A5

<400> 8294

atacaatatt agatatataa ataacacaaa gtgaactcct aatcagggtt cattttataa 60
 atttattatt tagttattgc ggataaagaa caataataat atggggatgt ctaaaagtat 120
 caaggttatc ttatctcttg ctctcgtant gttcttggcc cttgctgcaa ccaagggtga 180
 ggccacaaga tacataactt atcctgctat cgatcgtgga gatcatgctg tacattgtga 240
 caaagcccac cctaacacct gcaagangaa agaagcaant ccttaccaga gaggatgcga 300
 ggaagatcaa tcgttgccgt ggtggatagg gtggaaaaca gtgaattann caaaccacc 360

caatgaggna tannnttttc catccagtn cgttaaccaa gg

402

<210> 8295
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-A6

<400> 8295

gatttactgg agaagagatg gtgggatcag aggttttggg ggaatgtgga gaaaaaataa 60
gcaagaaaga gtgaaagaag cgagccgcta aactggagaa gttgctccgt aaacaggaac 120
gagaagaagc cacatcatca tctctttctc tggaggagga ggatgaatcg tgttccagca 180
actacggtga cgtgactact aacgagttgc agtcggctgt tgagggaaaa gagctcactg 240
atgtgagcaa cttgggttgaa gagattgtgg ggtcagaggt ttcgatcaga ggtccactgc 300
acaagaatcg cttaatcngt accaaattgt ttgtgatcct gaaggaaatt ggttcacggg 360
tcaatgcctn gtggaag 377

<210> 8296
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-B1

<400> 8296

ntgtttacgc ctgccaggta gcggtccaga attcangggg cgaccacgc gtccgtttga 60
ctactccact acctataact ttaaccaaag ctcgtttctc cggcgaacca ttgcgactca 120
aacaatatgt tttagagtaat cagatttgct cccgaccaa acatctctc tcagagtta 180
naccaccag aagatggacc ttctcctgca aatgccgtac cagaggaaga aatggttacg 240
cgaaaattcc gatgacgaag ggagaaagat tcattgttgt taacttctat ccggtttgta 300
tcaatccgga gatcctgagg ctgngattga gaagcacctc tcattcttaa aggatttgaa 360
tatacgaggt cgaatatatc tcaatgaaca agggaatcaa cgcgcaanta cagtggacca 420
tctaaagatg ctccttgcat atgttgaaat ggttaaaagg gaatgatnna tccccggatt 480

tgncctggcca

490

<210> 8297
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-B10

<400> 8297

gcggacgcgt gggcaaactg atgcatgtga gattccaaca actactgatc taagcaagtg 60
taatggagac cagaagtttt ggtgggatga accaactgtc tctgagctta gccttcatca 120
gaatcatcag cttatttggg ttcgagctaa tcatatgatt tatgattatt gttttgatgc 180
tactaggttt cctgttactc ctcttgagt ccaacatcat cgtcatttgt agtttagaga 240
ttagtcaaga ataaaaatgg atcaagagaa cacatgtggt tactctttga tgattctggt 300
ttaatgtata aataatcaat cttctattgn nnnnnnnnnn nnnnnnnnnn nnnngggcg 359

<210> 8298
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-B11

<400> 8298

attactgtta aaccagtaac gtactctcgg agatcgaact ttgtagtttt ctcgtcgagt 60
tctaattggac gagatccttt agaggagaat tcagtaccta atggtgtgaa aagcttggag 120
aagcttcaag aagagaagcg tcgtgctgag ttatctgcta ggattgcttc tggagctttc 180
actgtacgga aatctagttt tccatctaca gtgaagaatg gtttatctaa gattggaata 240
ccaagcaatg ttcttgattt catgtttgat tggactgggt ctgaccaaga ctacccaag 300
gttctgagg ctaaaggctc gattcaggcg gtccggaacg aagctttctt catccctttg 360
tatgaagctt ttccttactt atggtggaat tttcaagttg acct 404

<210> 8299
<211> 412
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-B12

<400> 8299

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nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nggtttttacg 120
ttttttcttat tttattttctc tccatgggga ttctttggga ttcgtttctc ttgttacttg 180
tgtcaacggt tgctctgttc ttagttagga tcctgttatt caaaactgga ttgatttaca 240
tggtcaaggt atggcgtagg aagatcatcg actggtttca tgtttaccaa ttctacaaag 300
tcccagaatt caacgacaac gttcaagaga atcatctcta ccaaaaagtc tacatgtatc 360
taaattcctt aagctcgatc gagaattctg atttcacgaa cctcttcacc gg 412
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<210> 8300

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-B3

<400> 8300

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gcgacgacga ttcccactac agctaccgca actatgtgtc cgtctctctc tgctccctaca 120
atctctccct tactcagaac gactcaccaa tgtcaaccat ctctttcttt atcatcccca 180
ttttctataa agcttagtac ggctctggtt tgcggtgaca ctacagtgga tagagtgggt 240
gatagctccg tgatgatcaa acctgnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnaaat 360
gctggcgtag aancagaaag cagngacaan tantggttcc tggttggttg gggcntca 418
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<210> 8301

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-B9

<400> 8301

gaagtttcta tctttatctc tcttaagatc tctttctctc ttgggttatc tgactctaac 60

cagaattgtg tcgatttcaa ggatggatga tactacgtat aagccaaaga acattctcat 120

tactggagct gctggattta ttgcttctca tgttgccaac agattaatcc gtaactatcc 180

tgattacaag atcgttggtc ttgacaagct tgattactgt tcagatctga agaatcttga 240

tccttctttt tcttcaccaa atttcaagtt tgtcaaagga gatatcgga gtgatgatct 300

cgttaactac cttctcatca ctgaaaacat tgatacgata atgcattttg ctgctcaaac 360

tcatgttgat aactcttttg gtaatagctt gagtttacca a 401

<210> 8302

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-C11

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tttgcttagg ataaacagaa ttctgacat catgggactt tctgaagctt cttctgctaa 120

tgataatgat ccagagtctt ggcatgttca ggttttccgt tctattgatt cgacttcagt 180

caaagggttt ccaaaggacc cagaggaagc tactggaaga aatcttctat gtgggaagaa 240

cattctcata gatatgagca tacatgcagc ttatgttaag gcgatacgat ctgctcagca 300

cttcatttac attgagaacc aatattttct tggatcttca ttcaactggg attcaaacaa 360

ggacttgggt gctaataatc taatcccgat ggaaatcgcg cttaaagatt gc 412

<210> 8303

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-C12

<400> 8303

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taaccgtgag tcagcgcgag caatttctgg tggagaacga tgtgttcggg atctataatt 120

acttcgacgc cagcgacgtt tctactcaaa aatacatgat ggagattcag cgagataagc 180
aattggatta tctgatgaaa ggcttaaggc agcttgggtcc gcagttttct tccttagatg 240
ctaatacgacc ttggctttgt tactggattc ttcattcaat agctttgctt ggggagactg 300
tggatgatga attagaaagc aatgccattg acttccttgg acgctgccag ggctctgaan 360
gtggatacgg tgggtgtcct ggccaacttc cacatcctgc aactaactta tgctg 415

<210> 8304
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-H8

<400> 8304
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gtttcgctc tcaaaacatt ttcaattccc gccaattttc ttctccgaga atacccccaa 120
ccttctagaa accctaattt ggtttaattt cattctccac tactttctct gaaaccaaac 180
tcgagatctc tcccccaatc atgcttgcca tacaatcccc atcggggaag atcttgcagc 240
ttgagatgga gaatttcaaa tcttacaagg gtcattcaatt ggttgggtcct ttcaaggatt 300
tcaactgctat tattgggtccc aacggttctg gcaaattctaa cctaattggac gctattagct 360
tcgtcctcgg cgttcgtacc ggtcaacttc gtggttctca gcttaaggat ctatctacgc 420
ttttgatgat cgtgacaagg aacaagagaa gtcgtaaaag ctttt 465

<210> 8305
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-C4

<400> 8305
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aacagagcaa aatggccgta gttttacgtg gaggcattcac cggaggattt cttcaccatc 120
gtcgtgacgc ttcattccgtc atcacaagaa gaattctcatc cgtcaaagcc gcaggaggag 180

gcatcaaccc aacggtggct gttgaacgtg ccacgtggct acctggacta aaccctcctc 240
 cttatcttga tggaaattta gctggagatt acggggttga cccactcggg ttaggagagg 300
 atccggaaaag cttgaagtgg tatgttcaag cagagcttgt tcactctcgt ttcgctatgc 360
 tcggtgttgc aggaatactc ttcactgata tccttcggac cacanggatt cgtaatttac 420
 cggtttggtg tgaagctgga actgttaaata ttgatttgcc antacaaaaa 470

<210> 8306
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-F12

<400> 8306
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 ctctcttttc gcttgatttc gccgtccgat tatctctata gccgataaat atccggcgctc 120
 actcagtaga tcttgaagct gttgctttct tgctttgctc ttgcncnaag attctctttc 180
 tctgttttca ttgaggattc gaagttgatc gctatttgat tcgattgggtt ttgagttttc 240
 gatcctcgac ggatggagat tttgaagtga atcggaggag cgaataagag aaagtgagag 300
 atggatgata ganaaggntc gttcgtagct gttaggcgga tttctcaggg tctcgaacga 360
 ggaagcggtt acaantcctc atctgctgaa gctgtgcctg gatnaacaac ttgggtaagg 420
 ncgag 425

<210> 8307
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-F3

<400> 8307
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 tgggcacaac ctccgcattc cagcaagttt cagtcccggc agtgattcgc tcctccgcgg 120
 attgggatgc tagtaatttc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnncta caatggtggt tcgattaaga tcttgagcga agctagtact agtagtagcg 240
 tcgcttgccg agcgattcct gatgtttggt gtggctcctgg agttggggtt tcaacggatg 300
 ctgtcgtcgg aggctccatt gacacagttg tttcagatcc tccgagaagg aatattccgg 360
 tgagacgcaa aatcgatgga gataaaacca atagtaacag taataatcat agaganggtt 420
 cttcttctct tcttcctaga cgatctctca atcaagagtc taatcctt 468

<210> 8308
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-F4

<400> 8308

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 ttcttcaagt tttatcaatg gctggtgtta ctggaatctt aaagcttgaa gcttggagca 180
 tcttgtgaag aagattaact agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnattaccgg aagtaatggc atgtcggagt atgatcgctt ttagtttaga 300
 tcctgaaaga aaacaaagtg gaggacttag gacaaaacaa gctggaagag gatcttgccg 360
 tggaagttag tccttgttca aatccatttt cctcttaaag aatttgaaat tgcactgttg 420
 caagtgaaaa agtttgttcc tgttggagct taaaagaaga gag 463

<210> 8309
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-G1

<400> 8309

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 cgggttcac cactatacta agtgctgtca tcgaaaagca cggagacatt gctcaaaact 180

gtaagctgga atcggattca atgcgatcac gttacctoga gtgtttatgc tcaactgatgc 240
 aggaacttag gtcaaccccg gtagggcagt tgagcaaagt caangtcaaa gagatgcttg 300
 cggttctcaa agacttggag tctgtgaaca ttgaagtaac ttggctacgt tctgttcctg 360
 aaaaatttgc gcagtctcaa gaagatgtan aanatgagaa anagaagcat gatggtttt 419

<210> 8310
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8310

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 aaacttcttg aaatttcggg tcctagtgtt gtcgacgttg tgactcatca tatatacaat 180
 cttggttcag gaaatgatcc cgcgctgggtg aagaagataa tggatccgag ttatttaagc 240
 caggtatcaa aaacattcaa ngacgtgaac cagacgattc aagaacatgg accgtgggct 300
 tctccttggg ttggagaatc tgggtggagct tacatagtgg tggcgatcatg tntctgacac 360
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 agttact 427

<210> 8311
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8311

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 nnnnnnnnnn nnnnnnnnnn nttaaagttc cctttcgtcg tgttcatttg tctggtggtg 360
 agccagcttt tgataattat gacactagtg gtcctcaaaa tgттаатgca cacattgggg 420
 c 421

<210> 8312
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-G4
 <400> 8312

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 tacgacttcg tcggacccca aaacctaatc cttaatctcc cattcttcac catggttacc 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnntc aaactttcat aaaccttctt tgtgatctct tacaactggt aatttctcgt 300
 ctcccgttga aagataacat ccgtgcttct gctgtctgca aaacatggca cgaagcttgt 360
 gtttctcttc gagtgatata tacatctcct tggnttatta cttctccaaa acagacgatt 420
 cc 422

<210> 8313
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-G6
 <400> 8313

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 tgatttgaat tttgctatct ctcatgcctc gaactcgttt tgtcgacgta gcatectagt 120
 gactgaggaa gaagaagaag atgagcttct ttatctctc cgctcgtcgtt ttcgtttctc 180
 tcgctttctt ctctcttccg cattccgttg attcatctgt ttccgcttca caggatcctc 240

tcagactcat attaggttca ccgaattttg gaacatggaa aggtggaatc tcattagcac 300
caggacctga atctgatgat gttgtctctg attacctcct cttagcagct catagaacca 360
agagacctga cattcttana gcttttaaag ccttaacaag gtggctggga acatcanca 419

<210> 8314
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-G9
<400> 8314

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accctatatac gttgcgcata accagcttct tgctcatgcc acggtcggtg atctatacag 120
gacgagatat aagtaccaag gagggaagat tggacctgtg atgataacta gatggtttct 180
accatatgat gacactctag agagcaaaca agcaacttgg agggccaaag aattcttctt 240
gggatgggtc atggagccgc taacaaaggg taaataccca tacatcatga ngaaacttgt 300
tggtaatcgg cttccaaaag ttcaacagca canaagctcg ccttttaaaa gggttcaata 360
tgaatttctt tggctctcaa actaataacg tcaactcaata ngnccaagcc ccttgacca 420
antcctccgg gaaaa 435

<210> 8315
<211> 437
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB24-027-Q1-E1-H10
<400> 8315

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aaaggttgtg agaatggcgg ctacagcagc ttcaagctta caaattgcta cacgaaggcc 120
gagcatgtct tcgcctagca aaattcttaa agcaggaacc tacattgttg gtgccaatcc 180
tggaacgcgt tcatgggata aactttcatg cactcgccaa ttatcaaacc ttggatgttt 240
gagaaaccac agtgcgtgtc caacttgtaa gaaaaccttt tcnttttcca aaagggcaat 300

gtctgaatcc aatgaaaaca angntccctc aagggcttcc aattgatttg aagaagggaa 360
aagagcttca atgctggtaa aanctgatga taaatggtaa gggttggggc aaaacaaaaa 420
tcccttgctg cggcngg 437

<210> 8316
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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-H12
<400> 8316

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gaagctgcct cgcgggcana tttttctggt ttacacgtna atgggcacat gaatgggttg 120
gaaccaantg cacttaacga aaccacttct gcatcagaag atatccaang acagcctttt 180
gtaataggty ttgctggagg cgcagcatcg ggaaagacta ctgtttgtga tatgataatc 240
cagcaactgc acgatcagcg tgttgcaactt attaacctgg actcgttcta tcataatctg 300
actgaagaaa gaacttgcta agagttcatg aatacaactt tgatcatcca gacgcatttg 360
acacaaganc atttaatgtc ctgtaangga taaantnaag gcaanggcaa actgtaaata 420
ntcccaaat aaggatttta a 441

<210> 8317
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-H2
<400> 8317

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tcctttgatt cttctcagat gaatatgtca catgttgta accatctatc ctttgggcgg 180
aggattatgc ctcagaaatt ttcggagttt aagcgcttgt caccttatct cggcctaagc 240
cacgaccgtt tagacggccg gtccttcata aaccaacgag atctcgcccc aaacgttacc 300

attgagcatt atcttcaa at agtaaagact gangtagtga aaagcaatgg acaagcattg 360
gttgaggcgt atgagtacac agcacatagc agcgttgctc ata 403

<210> 8318
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-H5

<400> 8318

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gtttggatct ttaccatcca aatcccttct ctccgcctc tcttcttctt ccacaacca 120
atctcaccgt cgaanaatta nccttttcat cantaacatt cattcctctc cattcnccac 180
cagaaccacc tcnggetcca atttcgtctc cggatccagc cattctcnct ctcgacgtcc 240
tcagcangac naagagtcnc gatccgtag ggtttcggtc tgggtgggact tccngagctg 300
taacttanct gtagacacca ntgtcnacna agtngcacia tnaatcancg ccgctatcag 360
aaacagcgga atcaaaggac cantcagaat cacagccttc ggtgacgttt tacagctn 418

<210> 8319
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-027-Q1-E1-H6

<400> 8319

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aaaagatacc ggacgatggg acaggaggat tggattctgt tgatcttatt gaactaaacg 120
acttcggcaa caaccatatt aagaaaactc gagaaaacag gattggtaaa gaatggtatc 180
cgctgcttct cgattatttc cagtctagac aaaccgaaga catgggattc ttttacgctg 240
tcgaattgga tgtcaataat ggaagttgca tgagcatttt ctgggcggat agccgagcaa 300
gatttgcttg cagtcagttt ggtgattccg ttgttttcga tacttcatac agaaaaggaa 360
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<210> 8320
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-F10

<400> 8320

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tctctctcta ctttgacctc atttagatac tgctcatggg tcgaatcaag ttttgatttt 180
gaaacaaaaa attgcttctt ttaggctcat attccaatag tctgcttgat taattgcaaa 240
ttctgtcaaa actcatgaaa cttttagccc ttaagctatt gatagtgtag ttgctagtgtg 300
ttgctttgac tttcctctgt gtttacttaa catcacgaga ttgtttctgg aagcttatag 360
gaaacagatg gaatcctaatt ttaacaata attaatctcc antgttccaa agctgtttca 420
attgcaagaa aa 432
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<210> 8321
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-027-Q1-E1-B12

<400> 8321

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catgtcaagc aacactctca gtggacctat ccctgcttcg cttgggcagt taaaaaagct 180
tagtaacttc aatgtctcga acaacttcct ggtggggcaa ataccttcag acggagtgtc 240
ctctggattt tctaagaact ctttcattgg aaatcttaac ttgtgtggaa agcatgttga 300
tgtcgtgtgc caagatgata gtgggaaacc cttcatcaca ttctcaatca ggtcaaaatc 360
aaaagaaaaa ctctggtaag ctgctgatta gcgcacacgc aactgtaggt gcgctactcc 420
tagttgcact cat 433
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<210> 8322
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-027-Q1-E1-B4

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 taatgttggt tctatcctcg gtccttcga tagtcgtctg tctgctcttg aaaccgccat 180
 gcgtcctact cagattagga ctcatgctat aaggaaagct catgagaata ttgataggac 240
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 agtactcaag gggccacatg aggacctgga aagttatctg gatgcaattg ctcaactcag 360
 aaagattatt cgttatttta tgagcaacaa aagctttaag agtagtgatg ga 412

<210> 8323
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-B7

<400> 8323

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 ttcttttctt cgaatcggat tcgttcctct cctcgcggtt tcagtggatt tcacagcctc 120
 cgacgtcgcg gcttcggcg attctctcaa aatgttatcc ccgaccggtt taatagcttc 180
 tcatgtaatt gcttatccgc cgtatccacc agcactatcg attacgagtt cacggatggt 240
 ggcaaagagg tggaattaag attgagggtta aagacaggtg agatactttc tccaaangat 300
 atatctgttg acgcagatgg aacatcggtta gccgttaaag aaaagcggaa tggattgctg 360
 attacacttc tagagactaa ccatctcttt gagaagatta tgccctctga aacaa 415

<210> 8324
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-C2

<400> 8324

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tattctataa gaaaccaaac gatggatttg atgtacctcc aagccctcct tctcttccca 180
tcattgggtca ttttcatctt ctctcttttg cttcaatcca caagtgtttt caaaaaatct 240
catccaaata cggacctttt ctccatcttc gcattttcca tgtccccatt gttcttgat 300
cctctgcctc aacggcttac gatctcttca agacaaacga cattaatgtc tcttatcgtg 360
gtgatgttgc aatcgatgaa tgcattgtgt ttggttcttt tggatatttc cgagctccat 420
gtgaagatta ctgggaaatt catgagaaag ctcatcatgg g 461

<210> 8325
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-C3

<400> 8325

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attttgatgt tagtgatgat gagatcgcaa cgctgaagggt tgaggaagtt aagaagccaa 120
agcctaagaa ggagaagaag cctaaagttt ctttgccctga agctgcatca aagatcgatc 180
ctttaaatct cgaagctttt ctcggtgaag catcggaatc gtatgcgagt cagcctgaga 240
ttcagctaag gagatttgct gattactttg ggagagcaact ttctggagtc tcatctgtgc 300
aatttccatg ggtgaagatg tttaaagagt ctcttttgct taagctgatt gaagttccgt 360
tagctcatat tccggaacca gtgtataaga catcagttga ttggatnaac catcgcccaa 420
ttgaggcact tggagccttt gtgttgtg 448

<210> 8326
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-C4

<400> 8326

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ctttgagaag aatctccgag tcaggatcaa gaaaaaacgg tgatacggaa gctagttcta 180
gggctaattg gcgccgcggg ctccaaactc gagaaagctc tcggcgacca gttccccgaa 240
ggtgaacgct actttggatt cgagaatttc ggcaacactt gctactgtaa caagcgtttt 300
gcaggctctt tatttctgtg ttcctttccg tgaacaactg ctggaatact ataccaagta 360
ataaaagcgt ggccgatgct gaaagagaat cttatgacct gcctggcaga cttgttttcg 420
cagataagtt 430

<210> 8327
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-D1

<400> 8327

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attaaacttc tgctgatcgg agacagcggg gttggtaaga gttgccttct cttacgtttc 180
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atgatgtgac tgatgaatca tctttcaaca acatcangaa ttggattcgt aacattga 418

<210> 8328
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-027-Q1-E1-D11

<400> 8328

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ctgacagaag cgttggttact tggacggctt tgttttagtgg gtatactact tcaggaagac 240

acagggaagc cattgatttg ttttaagaaga tgggtggagat ggggtgtgaaa cccgatagct 300

actttattgt tcagggtttta tctgcttgtg ttcatgtagg ggatctcgac agtggggagt 360

ggatagttaa gtacatggaa gagatggaga tgcagaagaa ttcctttgtg cggacaacac 420

ttgtcaat 428

<210> 8329

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-027-Q1-E1-D3

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gcaggatatt ctccgatcgg ttcgccgatc cttgggtttc cggtcgtctt tggccggaga 180

cgatgggtact ancgccggag gtcttagcgg nttcgtcggg aagattaact ctantatccg 240

tagctctcga attgggctct tttctaagcc gcctccaagc cttcctgctc ctaganaaga 300

anaagcgccg tcgattcggg ggaggaaagg gganttaatc ggttgcggtg cttttggaag 360

agtttacatg ggaatgaacc tcgattccgg cgagcttctt gcaattaagc angttt 416

<210> 8330

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-027-Q1-E1-D4

<400> 8330

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 tggaacacga aaggactcat cgcattaatt gtgctacatg tgactttctc agagccttta 240
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 aacattatcc tctgtgtcgt aactggtggt ccattgattg ggatgttgcc tggttgggtg 420

<210> 8331
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-D6

 <400> 8331

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 cttcatcctg taaaacctag aattttgttt cttcaaccaa aaatgaacag agaagtctct 180
 gagagaattc atattttggt cttccccctc atgggtcaag gccacatgat tccaattttg 240
 gacatggcca agcttttctc gaggagagga gccaaagtcaa ccctttctac aacccaatc 300
 aacgctaaga tcttcgagaa acctattgaa gcattcaaaa atcaaaancc tgatctcgaa 360
 atcggaatca agatcttcaa tttcccttgt gtagagcttg ggattgcctg aaaggatg 418

<210> 8332
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-E11

 <400> 8332

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 tcccccaata tttgagctct taaagaaata catgcctgcc aggaacactg tggaaaaatc 180

agactccaga tatgttgagt gcttattata cgtgtttcat catatggcgc acaangttcc 240
 tnaagcaaca aataacttgt gcggttaca agttgtgcc cacaancatc agatagatcc 300
 gggatgactt tcgaattatc aaggatcact gagaatgatc atcttgagat catcaagcac 360
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<210> 8333
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-E5
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 gaattcgaga attgaggttt gagatttctg ggtgatttgg tctaggctat ataagttttt 180
 agaacaagac ggagctgaag gaatcattgt gtttttggtt gatgagttta gatttagatt 240
 agtgccttag tggtttgttt ctatatctta ttttgaggag catatgggaa agagaaacac 300
 gtcttgggct agaaattcta atagaaaagg ttagattcta aagggataa gggttcaaga 360
 tgaagtccag aatgaaggat taaggatgaat tcccgaacga aggatgnaan aaanaantcc 420
 tgaagggtctg attt 434

<210> 8334
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-E6
 <400> 8334

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 gccaacacga tgcctgtct tccatgaant gcaacacanc atattacaat cattggcttt 120
 ccagttaang ganaaactct cgattttggc anaaagcaat gatgagggca atggaatcta 180
 gaaccggtgg aggtggtctg gatctgagtt caaggagaag ggacaacaat caggactatg 240

cangagcagc atcaggtggt ggtggatatt ggcaagacaa ggcgaattac ggacaatgaa 300
gacanngcan cagatcangt tatggtggat gaagatcatc tggacaaaat ggtcagtggt 360
cagggcaaaa ccganganga tggatcacg aagagttggt tcaggaaaca ga 412

<210> 8335
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-B1
<400> 8335

gaataaacag agctaaaatg tttcctctaa tctccttttc tccaacttct cttgatttca 60
ccttcttcgc cattatcatc tcaggtttcg ttttcatcat cactcgatgg aattccaatt 120
caaagaaacg tttaaacctt cctccaggtc cgccaggttg gccggtggtc ggaaacttat 180
tccagttcgc gcgctcaggt aaaccgtttt tcgaatacgc agaggatctc aagaaaacgt 240
atggcccgat ttttacctg agaatgggga ctgaacaat gatcatctc tccgacgcaa 300
ctctagtcca cgaagctttg atccaacgcg gagctctctt cgcttcacga accgccgaga 360
atcccgaccg aacaatcttc agctgcaaca aattcancgt caacgccgct aaatacg 417

<210> 8336
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-E9
<400> 8336

gcccacgcgt ccggacgaaa ccgagagaaa caatgggaga cgctgcgac cgtaccgtcg 60
tcgaagccat tcatcctct ccgacgcagg ccgtcgtcta tctttgcggc ggtgcctctc 120
tggctttagg ttggttgatg tcggttcctg gagcgtcgaa cacgcttctc gagtccgtgg 180
ttccttattc gagagtatct atggttcaat tactcggcag ggttccgagc caaactgta 240
gccaaagcatt ggccaaggag atggcttggt agcctacaat cgggcgctta agctctctaa 300
accaagatat ccgggttctc ggtgtcnggt ttacgggatt aattggtaaa cttctccgtc 360

ctaaacgttg gagattaaca gggtcctttt tggccaatga gaacatccga accgggattt 420
 tgggaatcct cagtcactc 439

<210> 8337
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-E12
 <400> 8337

gaaagtctct gtttttgaga atttttctac cgatagatcc aagcgaattg atctagagga 60
 attgatccaa catgggtaac acagataagc tgatgaatca gatattcgat ttgaaattta 120
 cgtcaaagtc tctgcaaagg caatcaagga agtgtgagaa ggaagagaaa gcagagaaat 180
 tgaaggtgaa gaaggctatc gagaagggtta atatggatgg tgctcggatc tacgctgaga 240
 acgccattcg taagcgtagc gagcagatga actatctccg tctcgcttct cgccctttga 300
 cgctgttgt tgccccgtcc ttgataactca aggctaaaga atgaacaacc atcaaccaaa 360
 atcccatgga ccaantaatc cgtcaaaatc cccttgaagt cctncnctg gccacaaggg 420
 aaatccaaca gaaagatgtc ncgagacaa 449

<210> 8338
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-E3
 <400> 8338

gcttggaagt ggacatggaa gccacgaaga gaagagtttt gttttccaaa aacaggttac 60
 actaaaagca ggagagaatc atcttgtaat gcttggtggt ctcacaggat tcccagacag 120
 tggatcttac atggagcata gatacaccgg tcctcgtggt atttccatct taggattgac 180
 ttctggaaca cttgatctca ctgagagcag caaatgggga aacaagatcg gtatggaagg 240
 tgaaaaactt ggaatccaca ctgaggaagg tttaaagaan gtcgaatgga caaaattcac 300
 cggaaangca ccaggactta catggtacca gacatacttt gatgcaccag agancgtaag 360

cgagcaanc gaattcgcat gcatggantg ggaaaaaggg tttgattttg ggtgaacgga 420
gna 423

<210> 8339
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-E4

<400> 8339

gcccacgcgt ccgcgcatgt gcgttatatc gcctagaact taaagtagga aatggaaaga 60
agagtcctaa gggaaagatt tcaaaagacc ctctggctga tctgcagaag aagatgggac 120
agtttaaagt ggcttcagac aaacctctc ctccaaccaa aggtcgtaag gagtgaagtt 180
agctattggt aatctaactc aagactcctg caacaatagc tccaagttgt ctccagcatt 240
ctacanaaga gccatcgcca cctctgtttt cttntttttt ttctttctga ctgtattatg 300
aagagatang atctttgatg tgttggtgta anatggacaa gtcnggtctn tgcccttttt 360
cttgatagaa tcngtanatg ggtttgtaan ntttttgcatt tttanttgtc cct 413

<210> 8340
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-E9

<400> 8340

gcacaattcc atggctttcg cttcaaaatt cgctcgttct aaaactattc tctcttttct 60
ccggccttgt cgtcagctcc actcgacgcc caagtcaacc ggtgacgtga ccgtactttc 120
tccggtgaag ggacgccgga gacttccaac ttgctggctg agctctctgt tcccattggc 180
gatagctgcc tccgccactt ctttcgctta cctgaatctg tcgaatcctt ctatcagtga 240
atcatcatcg gctttggatt caagagatat aactgttggt ggaaaagata gcactgaagc 300
tgttggtaaa ggagaataca aacaagtccc taangagcta attctcaatt gaaaactatc 360
ctcgaagata acttgacaac tgactacgat ganaagnact tccatgggga aagccccaga 420

acaatttttc caaagggagt nt

442

<210> 8341
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-F10

<400> 8341

gttacgctg ccgtaccggt ccaaaattcc cgggggttcac agattttaca agaaacttgt 60
cttcacgtta atcacgccac gtgtctgaac ccaatttcca acgtgtctct cacattctcg 120
aattcgactc ttttagtggg tctcgtctc tctgggcttt tagactgggc tcgaaccatc 180
tccattccac cgataacatc gaaacccgcc acgtgtcctc cctcctctgt ctctcgtcta 240
tatatccacg ctcttggtcg tcgattcgag atcacacaca caaccaccaa acacaaagct 300
tttcaaaacc cagagaaaat gttcatcgag agcttcaaag tagagaatcc aaatggnaaa 360
tacacagaga atgagattna ttncggggta cgaattaacg aaaacaacaa gaaggctcgtc 420
caacgaagaa atccgttaac gggttacata tcaaattgggg gtcnttgaaa gcccaaaaga 480
ctnggcaaaa tacgaatttc aaaaancagg acac 514

<210> 8342
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-F12

<400> 8342

gcaaataatt aattctgttc ttggtttact taatcttctt tctagttaag tatattcttg 60
ttgtcatca ccaaagcttg tgatggaggc tctcttcttg agttcttctt ctctctccat 120
tgtagcgtca aacaagctta ctaggttaca caaccattgt gtctgggtcta cagtgattag 180
agataagaaa aggttcggtc ccaattgggt ccgtgtaggt ggtgggtggg atggtgggag 240
aaacagtaac gcagagaggc ctattcgggt ttcttcgctt ttgaaagaca gaggtcaggt 300
actgattagg gaacagagtt cgccggctaa ggatgctgag acatttggtt ctgtetcaaa 360

acgggaatgg ganaaacaat ganataatgg aagtaaagac ttgaagncct ttaatngcgc 420
 ctcaaggggg gggaat 436

<210> 8343
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-F2

<400> 8343

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 gtgtttcttc actttcaatt tctgttttgg tttatcgata agagaaagta aaattcgtct 120
 gtggggggtt aagctttttt ggggtgagag atgggtcaaa cttttcgcaa gcttttcgat 180
 accttcttcg gcaaccagga gatgagggtc gttatgctgg gtctggatgc ggctggcaaa 240
 acaacgatac tatacaagct ccacatagga gaagttctgt ctactgttcc cacaatcggc 300
 ttcaatgttg agaaagttca gtacaagaat gtcattctca cagtttgga tgttggtggc 360
 caagnagaag ctganggcct tgtggaggca ttacttcagt aataccggat gggaacttaat 420
 atacgtggtg anac 434

<210> 8344
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-F3

<400> 8344

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 ggaaatctgg gtttaagttt cttctgcaga tcggaagaga ttctattgaa gcggcggttg 120
 cacgatttca tctataattg tnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnogatcct gcgccgcgaa accttccggt gatggaacga cgtcggacgg gaacaaaaaa 240
 gatgtggagg aagagaggaa ggacggtgaa ngaaagaggg agataganna cgttggaaaa 300
 aattttatcg antcgttaat ggaagccttt tgctcggttt caatggagga agcgatggct 360

gcttataagg gaagcaggcg gagatctgaa caaagccgct gagattttat cggntctggg 420
tgaaagcggg gantg 435

<210> 8345
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-F9

<400> 8345

gcccacgcgt ccggtcnaa tttttgattc tgcagatgac tangtnaanc taatgaagtc 60
aatcttcgac tttgaatcca tcaagaaatt gctatcttat ccaaaattta ctttctgcta 120
tgatgcattg catggagtggt ctggagcata tgcacatcgc atctttgtcg aagaactagg 180
tgcaccagaa agttcgttgt tgaactgcgt acccaaggag gactttggag ggggccaccc 240
ggatcccaat cttacctatg ctaangagct cgtggcacgc atgggattga gtaaaactga 300
tgatgctggt ggcgagcctc cagagtttgg cgccgctgct gatggtgatg cataccgaaa 360
catgattctc ggtaaaangt tttcgnaaact ccttcggatt caattgctan aaattg 416

<210> 8346
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-G10

<400> 8346

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tgatgctcac catgtcagac ctgggattcg tgctctgttg cagcagctcg aagctgaatt 120
ggagcagcta gaaaaagctg tagagccttc atggccaaaa ctagtggagc cattagagaa 180
gattattgat cggttatctg ttgtttgggg aatgatcaat catcttaagg ctgtcaagga 240
cacacctgag cttcgtgctg ccattgaaga agttcagccg gagaaggtga agttccagct 300
cangttggga caagancaaa ccatttaca atgcatttaa aggctaatacc aagaatcctc 360
caagactggg aattcaattg aaccaaagct cgtcaaacga ntaatttgaa gcccacaaatt 420

aaagggaagn gggttcctga attggttaatt gcc

453

<210> 8347
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-G11

<400> 8347

gccacgcgt ccgaacattt tcctttcttc ttctttaaat ctttctgatt gcctcttaaa 60
tttctgggt ccatggcaag tttgcacctt ggaggtgctt cgttgatcaa tgaggtcggt 120
tttggctcct ccttgattgg tttcagaagt aaacggttta aacgagcttc agagagatgt 180
aggttttgtg ttcaacaaat gtcagagaat gaacagagaa ctaaacacga actggctcgt 240
tctgctaaaa gaagcgagtc tttgagacgt attttaaagc aatatggagt atctgtagaa 300
aaccctgaag aaagtaagac aagtagtana cttgatgacc taaattgtga agagaagcac 360
gatgctgtta cttctccggc atagatgacg acccaagatg aatacaactg aggagt 416

<210> 8348
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-G5

<400> 8348

cttctatccg ntccgcaccg gtccaaaaan tcccgggtcn acccagcgt ccgntttgcc 60
acatccttta gtcgcaaaga aacaggcttc gtctgagtta ttttcgggtcc ccattgatac 120
ccctcctgag ttggctttca ggtgtaagag tgcacccaaa atgcttgtca tattgaacct 180
tangtcagga catggacgat ctatcaaagt tttccataat gtcgtggaac caattttcaa 240
gctggccgga attaagatgg aggttgtaa aacaactaaa gcaggtcatg cgagagaatt 300
ggcttccact gtcgacatta acttatgctc tgacggaatt atttgtgttg gaggggatgg 360
aatcatcaat gaggttctta atggtctgct tactcgaaag caatcccgaa agaangagtt 420
tcctatocca aattggaata atacctgctg gttcctgata actcgtttag tttggactgt 480

nccttggtgt aa

492

<210> 8349
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-G6

<400> 8349

cgncggtatc caacaacccg ggtcgaccna cgcgtccgnt caggcgaaag gtcttgatat 60
ccgagtacgc cacagggtta ctaagattgt caggcggtac aatggagtga aggtaacgac 120
agaaaacggg caaacttttg ttgcggatgc tgcantcatt gctgtccctc ttggagtttt 180
aaaatcggga accataaagt tcgaacctaa gctacctgag tggaaacaag aagcaatcaa 240
cgacctagga gtangtattg agaacaagat catactacat tttgagaaag tcnggtnggn 300
cgaaagtaga gtttctagga gtggtagctg aaacctccta cggttgcagt tattttttga 360
acctgcacag ggccacnggt catccggttc tgggttacat gccggctngt caacttgcca 420
aagacatgga naaaagggtct gatggnncag ctgcaatttc cccgtccttg ca 472

<210> 8350
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-G7

<400> 8350

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ctcttccctc tctctgcttc cttctcacgc aaccttggtat ccaccgcagc tatgaagatc 120
accgccttgc tcgttctcaa gtgcgctccc gaagcttctg atcccgatcat cctctccaac 180
gcttcggacg tctctcactt cggttatttc caagcgatct agcgtcaagg agttcgctcg 240
ctttgtcggg cgactgtcg ctaagccgaa accctccttc ccaacgccag tctgggtcaaa 300
cacgaaagag tacaaagttc aacgccttaa caatangaaa tgggcctttt ggccccgggtg 360
gggtttcaat gggacgaatt aattaaccct ggtttcgaaa gtggcttttc tccnccntcc 420

tcaaatacaan ggtccctaag atggagntac caaagaaaga agttttt

467

<210> 8351
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-E11

<400> 8351

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gccgtgttca accacaagaa tcggaggaat tatcaacgga caccacgcgc tctcctgggc 120
tgtcctatca tcggaaactt gcatcaactc ggagaattac cacatcaatc tctatggaaa 180
ctctccaaaa agtatggccc tgtgatgctt ttaaagcttg gaagagtacc aacagtcata 240
gtttcttctt ctgaaacagc aaaacaagct ttgaaaatcc atgacctcca ttgttgtant 300
cgtccaggct ttgcangggc aagagagctc tcttacaact atctagacat tgctttttct 360
ccttangatg aatattggga agaagttagg gnagctcgct gttcaagaac ntttcaagta 420
gtaaacaagt tcaactnata ca 442

<210> 8352
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-A3

<400> 8352

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agacacaaaa cttccaaaaa ggaacattct ttcagttctt tacttaatct ttcacaatgc 120
taaataatta gccgttgata aagtcttaat ctttgattca ttcaaacgcg tttttgttta 180
gtaatgtcgt cgcgtttttc tttgacgggtg gtgtgtttga ttgctctgtt accgtttgtt 240
gttggtatac ggttgattcc ggcgaggatc acgagtgtcg gtgatggcgg cggcggagga 300
ggtaataatg ggtttagtaa acttggtccg tttatggaag ctccggagta tagaaacggc 360
aaggagtgtg tacccttcat cangtgaaca agagagaact tcgtgtcgtc ctcttccagt 420

tctaattgatc cttcgcttgg tcacaacgct atgaactttg gactca

466

<210> 8353
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-A8

<400> 8353

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agtagaagaa gaagaagaan attgattata aagacttaag atggctgcgg cgcatttttag 120
taaggagagg gtcttcagag ggtttctggt ttggttctgc ttttggggac tgatgtctct 180
aacatgcgct gggagactca gtgtttcaag gcagaatttt gaantgcaca aacacttgaa 240
tcgattgaat aaaccagccg ttaagagcat tcagagtcca gatggtnaca taatagactg 300
tgttcacata tcgaagcaac cagcttttga tcaccctttc ctcanaggat cacaagattc 360
anatgggacc tagttacact cccagaatcc gctgtttggt gacan 405

<210> 8354
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-B1

<400> 8354

gcggacgcgt gggcggacgc gtgggattta gggtttttct ctcccccgag cttgcttttc 60
cgttgggtga acgactaccg ttgattttct tcgttttttt ggataccgat tcgattctct 120
ctcaccgatt tttgaggttc tctatttttc gtggataaga agataaagtt attgtttatt 180
gataagtttt ctgctgggaa gttgcaactt tttctagatt taggacgtta caaatttcaa 240
tcatgagtgc atcatgggca gatgtggctg attcagagaa ggccgtttct cagtcaaagc 300
ctcccttaat gttccccan acctacggga acanggccaa caagaagcct ggttggtgc 360
tcctttgcca caaaaattga tnaattgcaa gggtaatggg tgggtcaaac caagcctggg 420
gtcctccgtt tggggctcct ccctaagcaa attggggggg gg 462

<210> 8355
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-B12

 <400> 8355

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atccccgaca gtgttaccac cacgttcacg ctaaagtgat cgaagtcgaa ggacctcgcg  120
ggaagcttgt tcgcgatttc aagcatctca acctcgattt ccagctgate aaggatccag  180
agactggaaa gaagaagctt aagatcgatt cgtggtttgg aacacgcaaa accagcgcct  240
ccatcagaac cgctcttagc cacgtcgata acttgatctc cgggtgttacc agaagtttcc  300
gttacaaaaga tgangttcgt tgtacgcca atttcccatc aacgcctcca tcgggcgggtg  360
acggaaantc aatcgagatt ccgtaacttc cttggcnaaa aagaaagggtg naggaangta  420
gaaatgtttg gatgggtta                                     439
  
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<210> 8356
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-B2

 <400> 8356

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aaaaaaaaaaga gaaactcgaa aacgagaaaa atggcgagct ccgatgctct cttgccaatc   60
tccgccagag aagaagaacc attatgtcct tacacgagat taccaatggc cgacccgaat  120
caagaaaccc atggcccccg gagaagaaga ccctttaaaag gtctcctcgc cgtctcattt  180
ggtctcttgt tcatcgctt ttacgtcgct ctcatcgcca cacacgacgg atctagatcc  240
aacgacgaag ggatcgatga aacagagacg ataacgtcac gtgcacgtct tgctgggtgtg  300
tcggagaaac gtaacgatgg gttatggaaa ctttccggtg atcggaacac gccggcgttt  360
gaatgggaac aatantatgt tgctgtggca acgaacggcg tttcatttca gcctgagcaa  420
aattggatga acgattctaa cgg                                     443
  
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<210> 8357
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-B3

 <400> 8357

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gccacgcgt cgggactgt gacgagttta ttgccatatt ggtacaccta aggaaaatgg 60
gcaatgacga gcatctcaag aaagcgtttg cgttctttga tcaaaacaat aacggatata 120
tcgaaataga ggagttaagg gaagccttgt ctgacgaact tggtaacaagt gaagaagttg 180
ttgatgccat tatccgtgat gttgacaccg acaaggatgg aagaataagt tacgaagagt 240
ttgtaacgat gatgaaaaca ggaacagatt ggagaaaagc ttcgagacag tacnccgagg 300
agancgggtt taacagtatc aagtctcnaa ccngatgcaa ngatcctccg tttgcaaggg 360
tccantgggt gataccanga ntgangnaga aggntttaat ctggtggtca ctccaccaag 420
tcctgggaan gattggagtc 440
  
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<210> 8358
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-C10

 <400> 8358

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ctgggaccac tgtctctcat gtttctgacc tcgttgcccc tgagggatgt gtttatgctg 120
ttgagttttc tcatagaagt ggtagagatt tggatgaacat ggccaagaag agaactaacg 180
ttattccaat cattgaagat gctagacatc cggctaagta cagaatgctc gtgggcatgg 240
ttgatgtcat attctctgat gttgctcagc cagatcaggc aaagaatctt ggnctgaat 300
gcctcatttt ttctcaaaa actgggtgga cactttgggt atctcaatca agggccaact 360
gatatcaact cctaaagntt gcangcaaga agcagncctt ccagaaccna ggtgaaaaaa 420
cctgcaaaca ngaacc 436
  
```

<210> 8359
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-C11

 <400> 8359

agaagaagat gagtgggtgaa gttgttttag ctgctagagt ttatcgtgac cttctcaaag 60
 cagtgggtgaa acatgttggg aaagaagatc acaagtctca tttcttagac tttgttaagc 120
 aagaatttcg aaagaatgca aactcagaga aaataaacct tgctcgaaat tacacatatc 180
 ttctcaatag cattcactct cacaaggatc tgctgttctc atacaacatt gcggttgata 240
 gaactgaaga aatgaaacga gtgcttaata aatctgcagc cagtgtaggg cttcgtcttc 300
 ctgaagttta cgagccttga tcatgcattc attcctcttt gtccttccgg gggatgagtc 360
 gttatgattt cntcaattct gtggacangt ctttggttaa attttggnntt aaaanagata 420
 gttaatgaag cca 433

<210> 8360
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-C6

 <400> 8360

antgttattc ctgccgccac gggccgaaaa atccngggcc gaccaacgnc gncggacaag 60
 ccgttccnaa gaacaanngg ntggccttgg caataaaatn caaaganttn cagcaacttg 120
 ctactccgta tgggaacaaa tacatacaag gggcaaactc aagagatttg gttgatcagg 180
 catacacaaa atttgtgagc ataatgtttg tgaccctcga gaaaattgcc caacaagatc 240
 ctaaatatgc agatattctc ctgtagaaa actatgctgc ttttcagaat agcctgtatg 300
 acctggctaa tgttgtgccg acttttagcca agttttatca ccaggcaagt gaagcatatg 360
 aacaagcttg tacgcgccac attagcatga taatttacta tcaattcgaa agacttttcc 420
 agtttgctan aaagattgaa ggnnttcatg tntactaaca ccctgganga gataccattc 480

cagcttgggt ttancgaaag

500

<210> 8361
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-D10

<400> 8361

gccacgcgt ccgcccacgc gtccgccttc ttcttcttcc accgtctccg ccacgaacca 60
gagaaagctc aacaatggcg tcaatcctct caaagaagca gaagaagaac gaaaaatata 120
ccttgaaaga gctcaaatca ttaggtcatg acttactcac ttctcgatct cacatcaata 180
accttcctct ccttctcacc ttctgtctac cagaatctcc gccgcagttc gtcgttgaat 240
cactcctctc actccaatcc tttttcactc ctctactctc tcagcttctt cgcactttcn 300
tcgtctcctt cttcaaacca gaagcagagg gaccctggaa gttngtggtt aaaaggcttg 360
gctcaagatt canaaagntg gancgnaagt cngtccaagg ntttttaacn cggaagnttc 420
cttgggtccgc cnnaaccaat tccggaanga ttccccgtaa nggggaaatt 470

<210> 8362
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-D11

<400> 8362

gcncctttctc ttcttctcca tccttcttct ctccggcgcgc gcttcatccc caccaccttc 60
gaattcgtgc cctttgaggg aagctgctag gatgggtgtg aagcaggctc taaggagcat 120
tgatgcgttt ccaagagcag aggatcattt gcttcagaag acacaatctg gcgctgttgt 180
atctattgtt ggacttctta taatggctac tttgttctta cagagctga gttattatct 240
taacacactt acagtgcacc agatgtcagt ggacttaaag cgtggagaaa ctcttccaat 300
tcatgtaa atgacgtttc catctttacc ttgtgatgta ctgagcgtag atgctatcga 360
catgtcaggg gaagcatgaa agtggatcnt gataacaat ttggaactcc gtccaaaaag 420

tcatggncaa atcaaaaag

438

<210> 8363
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-D12

<400> 8363

gctctgtttc tttcttctcc aacaaatcac caaaaatgga gagattcaat ttctttaatc 60
tgatgatcat agctttatgt ttatcatcct tcgttcacag tctcgagatg ggagaaacat 120
gtagttcgac cagcgaatgc gacgccggat tgagctgtca aagttgtccg gcgaatggaa 180
ataccggctc tacttgtacc cggatccaac ctcttaaccc gacttcaaag gtgaatggtt 240
tgccgtttaa caagtactcg tggctaacaa cacacaattc gtacgcaatc acggggggcaa 300
aattcggcaa actgggttca atcccttggt ctctccaaa agaaatccaa gaaagaactc 360
caatcaanca aatcangctt aaagaaatng gtgttgaaga anggtaataa tggctagnat 420
tacatnatgg aattttcaaa aaacgaatnn naanggggtt gtggtcaaat nccaccggg 479

<210> 8364
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-D4

<400> 8364

ctgaacctga agaagcactt tctggatttg ctgaggttgt tcagatggaa cctgagaaaag 60
ctgactgggg tttcaaagct cttaagcaga ctgtgaagat ctattatcgt ctaggtaaat 120
acaaagaaat gatggaagcc tatacagaga tgcttacata tatcaagtca gcagtcacca 180
cggaattaca gcgaaaaatg tataaacaat atcatgggat ttcgtctctg gatctgcnag 240
gcngaacac tggcctgctn gnccgagttc tatcacgacc actttganng cccttgaaga 300
gggtaagaat gaganactct ggttcaanac acatcnntaa gntctgchna natcctgggtt 360
tgacattngg tnaanccang acgggatgac taagaagtcc tgaaangaac tccgaaagtc 420

ttggcanaag ggaacat

437

<210> 8365
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-D6

<400> 8365

gngacgggct aaacacagca gtaaagcaga atcctgcaaa gcaaacattt attccgtcag 60
tagctactcg tcagaaggaa aatgggcagg cctacaaaag caagtagcat ggagaagaga 120
agtggacta ccgcctatcg ttctccatct catggactca aaagcaatga aaccgctgag 180
aaacaacaaa aggagatttc caagtctggt gcaagacctt tagagaagac acgcttgag 240
aagaacccaa aggcaggagt gattgatgcc aaaacgcgga gggactctct taatccgaaa 300
gcaaaacctg tgcaagggtc tcttccaatg cggaccgtat cgaaaagctc tttagacaaa 360
agtgttatga tagttatata catccggtat taatctgata tctggcaaag attgccacna 420
atggttgtcc atcat 435

<210> 8366
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-A12

<400> 8366

gcacaaaagc ttttctctag acctcgtagg attgttgaaa aataccctgc tggatgaagat 60
ggtgacctta agaagaagca tatggtgtgc cttaactggc ttctctctga caagccactg 120
gacttacaaa ctcaactcgc acttgggttt ttggatcata taatgcttgg gactcctgcc 180
tccccattga gaaaaatctt attggaaagc ggtttaggag aagctcttgt taatagtggg 240
atggaagatg aacttctcca gcccgaattc agtatagggt tgaaagggtg ttccgatgat 300
aatgtccana aaagttgaag agtttggtca tgaatactct gagaaagttg gcacatgnan 360
ggggtttgnc actggatgct gtttgaanca tccatgaata ccaattgagt tttcncg 417

<210> 8367
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F7

 <400> 8367

gagaagaagg aggaggtata gcaatggggg tcgattatta caaggttctt caggtggatc 60
 ggaatgcgaa agacgacgac ttgaagaaag cttatcgcaa actcgccatg aagtggcatc 120
 cagacaagaa ccctaacaac aaaaaagacg ccgaagccaa attcaagcag atctccgaag 180
 cttacgatgt tttgagtgat cctcaaaaga gagccatcta tgatcaatat ggagaagaag 240
 gtctaacaag ccaggctccg cctcccgagg caggcggcgg gttttcggat ggaggggctt 300
 cgttccggtt caacggtaga agcgcagatg atatcttctc ggagttcttt gggcttcaca 360
 agaccatttg gtgactcacg tgggtgcaagt ccctctaattg ggttccggtt cgcggaagac 420
 gttttcncgt caaatgt 437

<210> 8368
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F8

 <400> 8368

gcaaaacaaa tcccaaagct tcaagagga agaagaagaa gagagtgaga aacaatggcg 60
 tcgacgactc tctcaatcgc aacaacaatc cgttcctctt ctctctcac ttccgcttcc 120
 actcatcact tcctttccaa acccaccgca atcgaattcc catttcgtct cagctcttct 180
 tctagccacc gtgcaatcaa cctccgtcct atctccgccg tcgaagctcc ggagaaaatc 240
 gagaaaatcg gatccgaaat ctctcctta accctcgaag aagctcgtat cctcgtcgac 300
 tatctccaag acaaattcgg tgtctcccca ctctccttaa cncgcgcaa cagaggggcg 360
 tnnnnnatch ngacganagt gtggcgcgcg gntgtgttgg gggngcaca cacangtttt 420
 ccggtggggg a 431

<210> 8369
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G1

 <400> 8369

 gcgcccgcac atctccggcg acctcccaac aggaattccc atcgcttggc cgccattaat 60
 gccgcttctc gctctgtgag tgagctagtg gaggaggatg tgttgcaaat gttcatgaaa 120
 gacagagaag aaaatggaga tttcatatct aaagtttctg atangctctg gttaaaggag 180
 attctcgaat ctattgatgt taattccaat ggagcttctt cntcagctgt tgaactagat 240
 gatactcggg aaaagcttga tagatggcgc tgatgatgat gaaaagtggg ttcttgana 300
 cntaaaccgg acacaagaat gggattgggt tgggaagagt tgantctgcc cccaattgaa 360
 ataagaaaag ctccaaacct tanggnact acnnanaatg acagccgnag aggaaaggga 420
 agaaantttt aacctttccn gaaaantatt gaaacctctg gaagncgt 468

<210> 8370
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G10

 <400> 8370

 agtttgccgg cccggtccga aataaccggg tcganccacg nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncga 120
 tctcggtctc cttagattcc ggaataatcc cctcaaggct tggcttagta atcgctggtt 180
 tctccgccat gagttccaat acggcgctcg ccagcgcggg ggcagccgga tcgggagatt 240
 cttccgcccgc taggaagaat tcaaagcgac ccaagtattc gaagttcaca cagcaggagc 300
 ttccagcttg caagccaatt ctaaccctcg gttgggtcat ttcgacattt ttgatagtca 360
 agtgttatct ttattcccct ttggagttat ctccctttcg cttccangna tttngtggaa 420
 attggtgatc gggtaggata cngagtgcac t 451

<210> 8371
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G11

 <400> 8371

```

atcagcagcg atcgagattt tcgccgctga aatctggaga ctgattatta caaacttggt 60
cgtcgtgttc ttcacgcggag agacactaga tcggaaaatt taacctcgat ttgattgccg 120
ttgccgtaac atttgactgt tgttttgtgg tggggaattc tagggttctt gtttgatgaa 180
gaagaactga agtgaaaatg accattaaaa tctcccatga gatgattgtg tccgttcatt 240
cttcgaaatc ggacaacgga atcgaatgat cgtcatattc tgtaagagag aaggttagat 300
cttcaccgaa tctggaactc gagatccatc gttttgttcg attttcaatc cttcgcacaa 360
ggattggtcc tgagaagaac aagttcaagt tanaaaactgt tgtgttctgt cgggggaaac 420
ttatttgagc cng 433
  
```

<210> 8372
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G12

 <400> 8372

```

cgggtccgaaa tanccgggtc gaccacgcg tccgattatt ttggccgtga gcttctccat 60
ttccatttcc atcgccatcg gactctctcc tcttaciaaac ttttcatttt tgtagctct 120
catctctacg tcgaattgct ttttctcttc ttctccgatt cgaaaatgag gacaatcggt 180
tcgcgtttga ttcgttatca atcgtctctt tcccagatac ggtttggttc tgcctctggt 240
ggcgggaggt atctctcgac agactctaac aaaattgatg agcccttcaa tgtggaagaa 300
gctgagactg tacatgtgcc tccacctcct actgagaagc tgctgtcctg ggaggaaatg 360
gttttgtggg atcacatgtc gttaaagaag cttaagatng cggttaaccg gtctcnagcc 420
ttaacaaggc aaggtaggtc gcctttacaa gagtcctggg cctccaaaat 470
  
```

<210> 8373
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G2

<400> 8373

```

atagcacata ttcataatcct acaagacatt canaccatga aatcatccca tgcataatctc   60
gtctgcatac tgttgctctc tctatcttct ctacatcaat gtgtgagggt anaaagatcg  120
aacaaaatcg atatgtctgt atgcgtccat gaaatttgcg gtggtgtttt cgacggaggc  180
tgttattgct gtcccaaaac gccagctctt tgctgggcac acatacaatt ctgcaccacc  240
tattgtcaat ctcaaactta aaaccttaaa taaactgata tggancnata gttgttccat  300
tttaaaccta cacctattgt catttatgtt tgcattctgt tgtcaacgag aatactccta  360
aacgtcntga ggtttaacga gagtactcct aancctcct                               399
  
```

<210> 8374
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G5

<400> 8374

```

gagaaattgt tctgaagatc tatcgttttg agcttcgtta accgtgatac agacgacggt   60
atggaactat tgaacatggt ctgcctcaag gtcagcgtca gtagttcgac aagactacct  120
tgcaacattt taaaagattc ttgagctctt tgatgtcacc actcaacgta ccgccaataa  180
cattcctgct taaatcaaga cgctgaagat ttgtcaagga gaacaattca tgaggaattg  240
agccgttaaa tctattacaa cacatgtcaa gagaaatcaa gctgggtcaag ttcacaaacg  300
catatccagg aatctctcct tgtatgttgt taaatgagac atcaagccca acaagagagt  360
ttatacgtag aatcgggtctc aaaatgcttg aactaactaa agccaagggg gatgancaa  419
  
```

<210> 8375
 <211> 434

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-G7
 <400> 8375

```

gggaggggat tcctccggac cagcagaggt tgatcttcgc tggaaagcag ttggaggatg   60
gcagaactct tgctgactac aacatccaga aggagtccac acttcatctt gttctcaggc  120
tccgtggtgg tatgcagatc tttgtcaaga cgttgactgg aaagactatc actttggagg  180
tggagagctc tgacactatc gacaatgtca aagccaagat ccaggacaaa gagggtatcc  240
caccggacca gcagagattg atcttcgccg gaaaacaact tgaagatggg agaactttgg  300
ctgactacaa cattcagaan gagtctacac ttcacttggg gttgcgtctc cgtggaggta  360
tgcagatttt cgtgaagact ctactggaa agacnattac tcttgaagtt gagagctccg  420
acacattgac aacg                                                    434
  
```

<210> 8376
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-H1
 <400> 8376

```

ttgncgcctg ccggtaccgg gtccganaat tcccgggggc gaccacgcg tccggaagaa   60
gaaagatgcc aggagcaatt gtggaggaag agaaatctca gattgaatcc atcaaagagc  120
aattgaaact cgagaaggaa gatgatgttg ttgtggagga tgtgaaagac ggagaggaag  180
aagacgatga tgaagacgat gaggacgtcg aagttgaagg ggaaggtgga aatgagaatg  240
caaagcaaag tagaagcgag aagaaaagtc gcaaagctgt tctaaagctt ggcatgaaac  300
ctgtctcaga tgtcagcaga gtgacaatca aaagagccaa gaatgtgtta tttgtcatct  360
cgaagccaga tgtttacaag agtcccaatg cagagactta cgtcattttt ggagaagcca  420
aggtcgacga ttttgagctc tcagctacag actcaagctg ctcaaagggt taagatgccc  480
gatgt                                                    485
  
```


<210> 8377
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-H4

<400> 8377

```

ntgtatcctg ccgctacggt ccaaaatccg ggtcgaccca cgcgtccgga gaaaaccaac   60
tctggagaat ggcgaatcta ctttcttctc tctccatggg cacacctttc ggtgggtcta  120
gcacctccgc acaaaatcct accggagctc cggccaacaa agatcgcaat ttggcctctg  180
ctgaacagtt ggtactcgat ctgagcaatc ctgaactcag agaaaatgct cttctcgagc  240
tttccaagaa aagagaattg tttcaggatc tggcgccctt gttgtggaac tcttttggtg  300
ccattgctgc cttgttacag gagattgtat caaatctact ctgttcttgc aactccaaat  360
cctggactcc ctgggtcaag tccaaccggt tgttttggca aactccgctt ccgctccttc  420
cttcaagttg cgggtanncaa tcttcaattc ctggacaacc gaagaaatgg ttttaatttcc  480
tcaaangggc tcaatatccc cggtttggtg ancnntttaa acccctttcc ctt          537

```

<210> 8378
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-H7

<400> 8378

```

gcccacgcgt ccggaatct actatgctcg acgcattagc tagccgcctc gctgctaacg   60
cttttctctc cggcaccggt cttcttaacg gccgcaaac caaactctcc tttggaacag  120
ctgcatatgt gaccaagac gataacttga ttggtacggt aactgtgaga gagacgattt  180
ggtattcagc gagagtctgt cttccggaca agatgttacg gtcggagaag cgtgctctag  240
tggaaggac aataatagag atgggtcttc aggattgtgc agatactgtc ataggaaatt  300
ggnatttgcg tggaattagt ggtggagaga agagaagagt cagtattgct cttgagattt  360
taatgagaac tcngtttgct gtttctcgat gagccaacan gtggncttga aaantgcctc  420
tgcnttcctt gggaact                                437

```

<210> 8379
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-A1

<400> 8379

attagccgcc ggtacgggct aaaattcgcg ggtcgaccca cgcgtccgcc cacgcgtccg 60
aataacacaa agtgaactcc taatcagggt tcattttata aatttattat ttagttattg 120
cggataaaga acaataataa tatgggggatg tctaaaagta tcaagggttat cttatctctt 180
gctctcgtag tggtcttggc ccttgctgca accaagggtg aggccacaag atacataact 240
tatcctgcta tcgatcgtgg agatcatgct gtacatttg acaaagccca ccctaacacc 300
tgcaagaaga aagaagcaaa tccttaccag agaggatgcg agaagatcaa tcgttgccgt 360
ggtggatagg tggaaaacag tgaattaacc aaccaccca agagcataaa atatacatca 420
atacattatc tatatacaca cttttgacat cctcatatca attttaatga n 471

<210> 8380
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-A10

<400> 8380

gcttctccgc tactgatccc aaacgcaacg ctagagactc ccacgttccg gttttggcgc 60
cacttccgat tgggtttgcg gtgtttatgg tacatttggc cactattccg atcaccggaa 120
ccggtatcaa cccggctagg agtttcggag ccgccgtaat ctttaacaag agcaagccat 180
gggatgacca ctggatattc tgggtgggac cattcattgg agctacgata gctgcatttt 240
atcaccaatt cgttctaagg gcctcaggct ccaagtcctt cggttcattc agaagtgcag 300
ccaacgttta aacttagcca cgaaagaaaa aaagtgtgcc tacaattatg tagaaacata 360
tcctcttttc actcgtaacc taacntcntc ccaatttcca antccaactg gtgggantcc 420
at 422

<210> 8381
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-024-Q1-E1-F6

<400> 8381

gaaagcttcc aactttatcc attaattgga gaaaattctc agagagactg aagtcgacaa 60
agtcagagggg ttctgttttt tggcttctgg gttttttatt tcaagtgttc aatttccgaa 120
ttaggtaaga aagttagggtt ttgagatctg tgcgaattgt gagagatgtc cacgccgttg 180
aaggtgtggc aacgttggtc tacaccgacg aaagcgacaa atccagattc gaatggctct 240
agtcatggaa ccggtttaga catggtgacc ccagtttcgg gtccgggttag tgagatccag 300
ttcgatgacc caagaatatt gcctgagaaa atttcagagc ttgaaaaaga gcttttcgaa 360
tatcaacata gtatgggtct tcttctgatt gagaaaaagg agtggagtcc ccagtatgaa 420
gcgcttcaac aag 433

<210> 8382
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-C8

<400> 8382

naaaaaaaaa gaaaacacaa aaacaaagat tataatggct tcctcaacca tggctttgtc 60
ctccctgcc ttcccggaagggtgtnaa nctgcccgc atcagatgtc ctengaaacn 120
gccgtttnaa caatnaggaa gactgtcncc aagccaaagg gtccatcang caacccaatg 180
gtacggatnt gaaccgagtc aagtacttgg gtccattctc cgggcgaacc cccgagctac 240
cttaccgggt naattccccg gtgactacgg atgggacacc gctggtctaa ccgccgaccc 300
aganaccttc gccaggaaac gttagctana anttatccna ancaaatggg ccatgcncgg 360
aaccctaagc tcgttttccc tgaaccattg gctagggaaa cggnttaa at tngggaaaaa 420
cggnttgggt caagg 435

<210> 8383
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-C9

<400> 8383

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ggaacaatga aaaatttaac cagtttcgta attgttatct tactacaaag cttattgttt   60
catgtatatg gtcgtcatca aagttcttcg aagaacattt tagtagattc atctccattt  120
ccttctgatt tcctcttttg tacagcttct tccgcttacc agtatgaagg tgcgttcttg  180
actgatggaa aaagtttgaa caattgggat gtctttacgc ataaaaatcc tgggaaaata  240
cttgacaaga acaatgcaga tagagctgtg gaccaatata atcgattttt gggtattttc  300
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<210> 8384
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-D10

<400> 8384

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ggnggctaataaacagatccg atcatgggtc agacgaaaac acaagacttt acaatcctta  180
ccaaaactac gaagtcccaa tcaacaaatc tcagtacctt tacaagcttc ctacctcccc  240
tgagtttctc ttcacggagg aggctttaag gcaacgtaga tcttgggggtg agaatctcac  300
tttctacacc ggaacagctt acctcggtgg ctccgttgcc ggagcttctg ttggagtcac  360
cactgggagt caaaaagctt cgaatctggn gacactacta aagctcaaaa tcaacanga  419
  
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<210> 8385

<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-D12

<400> 8385

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gtgtatgttg aagatgtggg ggatagctct cgagcgacat gtgttgagaa tgggtggtgat 180
gacgatgaca gtggctatga ttatgctcct gctgcgtgat tgtctcctat tagtataatg 240
taatttagaa gaaaaaaaga gagagagaga gatgataaga taatttagat attagttaga 300
ccatttatgt actagattgt gtctcgagtt ttcttgtaa tgagcaaaca tggtttccta 360
atgtcctaata ccttaaccac aatcactttt ttttgncccc taaatttgaa 410

<210> 8386
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-D4

<400> 8386

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gggtctccgt tttggatgtt gtttcatatg tgtcctgttt ttgggaaaga tgatggtaaa 120
gtcaccaatt ttgtggcggg tcaggtcccg atttcgggac gagaacatca tcggaagaag 180
ttgagaaatg tcggagattt gtcgtcggat acttctccga catttggttc ttgtcgaaga 240
gaggtttgtt ttggttaattt cgtgtgtcag gatcgagctt taccagtgga atgtgatgat 300
gatgaacaag gattagagga ttgggaacag tgtgaancga gtgagtccga gaagctgaaa 360
nctacggaag ctattaacaa tgtgttatct ancttagtgc attacancga gttgagtggg 420
agattagtct gcggaagcg gtactgcttg cnaggagt 458

<210> 8387
<211> 447
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-D9

<400> 8387

gcttttttga aaacgaaagc gggatttagc gtatagcagc ttccaccgtt tcgccgaatt 60
tcatcgagct tcaagtgaac atgagtaanc caatggaaga ggataccaac ggaaagactg 120
aggaggagga gttcaacact ggaccactct ctgttttgat gatgagtgtt aagaataaca 180
ctcaggtgtt gatcaattgc cgtaacaana gggaaactcc cttggccgan ttaagggctt 240
tttgacaggc actggcaaca tgggttcctt gaaaaatgtc agaagaactg ttggaactga 300
ngttccgaaa anccngaaa aaggatagat gaaaagctcn tcttggttaa caagagatcg 360
antcatcagc aagatgttcc ctgcgttga agactcagtc attaaccgtc ctcaaggaaa 420
cccgaatttn aaagaaggcc cttccta 447

<210> 8388

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E1

<400> 8388

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gacgtttagg gagaaaatgc cgacgagtcc taaatcgctt ctgagaagac gacgttcgag 180
ctggaccggt acatggttaa accatcagac gacgtcgttt aagcaagcag tctccgccgt 240
tattcaagct caatcaccaa gatccagggt taaatcccta tcttctgatt tctccgacgt 300
cgatcgaact ctttcgttgt cagattctct tcttctcaaa gatccttgag aagcttcctg 360
aatctcanaa cgaagatgtt tcaactcgtgt gtaaaccgtg gttgaantgt caanggacgg 420
gtttacggag tatgaagggt tttgattggg aatttttatg gnccgggag 469

<210> 8389

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E11

<400> 8389

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gtggaaaacc ctaacaagga cgattctctc tcttcgcttg aattggctct caagtaccac 180
aaccagacga agcactcctt gaacggttac gcgagaggtc ctctgtgtct cgactggggc 240
aatcagccta atcccttccg ccggtacctc tctgtctctc ttcttctctc cnaacanncc 300
aatcacgana tcgacgacna ctccgactnt cntctctaata cntagtcnna atcggatccg 360
ncttctctcg ggcnaaaanc catctctntt tnctaanaat ctncgcaacc nttttcctaa 420
caat 424

<210> 8390

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E12

<400> 8390

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ggtcgccggc gcttcgtcgt ccaggagctc cgtgtctttc ttgccnatga gaaacgccgg 180
ttctatgctc gtaatcaggg canccgaana tctgtctccg gcttctctct cntcaaaaga 240
ttctccggca nctgccgctg ctccggatgg agctactgcc accanncca agccatcacc 300
gattggctct aagagagggg ctaagggtcaa nattctaata gagagaatcc nattggttca 360
atgaacgttg gatcagttgt tgccgttgat caggacctaa agactcntaa ccgggttgtg 420
gg 422

<210> 8391

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E6

<400> 8391

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tctttgaggc tttgcaatac tcgcatgtgt gcaagtatgc ttgctctgaa gaagtacctg 180
agcttcaaga catgggaggt ccagtggan gtgggttttag tgttgcgttt gatccattgg 240
atggatcaag cattgtggat acaaatttca ctgtgggaac catattcggg gtttggcctg 300
gagacaagtt aaccggaatc actggaggag atcaagtggc ctgcagccat gggaatctac 360
ggtccacgaa ccacntangg tnttgntgt taaggggctt ccagggaacc tcagggantc 420
tgccgtcc 428

<210> 8392

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E7

<400> 8392

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tgtaatggat ttctctccga tcaactgcct cattttcgat ttggatgaca cattataccc 120
tctaaaaact ggaatagcgc cagctgtcaa gaanaatatt gacgattttc tagtggagaa 180
atltggattc tcagaaagta aagcttcaag ctttaagagtt gaactcttca agacttatgg 240
aagtantcnc gctggtctta gggcgtnagg tcatgatgtt catcctgang aatntcncag 300
gtttcgtgca cggaaggtta ccagtatggg tcgatcgaan cgagacaacn aagctacggg 360
naccttctca gacagaatcn aacncgagag gagtttagatt tngnangtcg gacangaatc 420
aaggcggttn gagtcc 436

<210> 8393

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-E9

<400> 8393

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agagactgag ttcttgataa gttggattga gcttggtttc atttgcggtat ctttgagaaa 180
aaagtttgca actttatggc tctggaacaa caacatgttt gtgaaaagcg gtttcaagcc 240
aagacctttt ctaccaaga gtttcagttg actctcaatt gggatgattt aacttgtccc 300
atttgtttgg atttccctca caatggtgtg cttctccagt gttcttctta cggaaacggt 360
tgccgtgctt ttgtctgcaa tactgatcan cttcactcta actgtttggg attgtttcaa 420
ta 422

<210> 8394

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-F12

<400> 8394

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ccacattgat gattttacca ttttgtaaat ttggatgaag ttgatccatc aagaaacact 180
ttaagactta taattgttgg acttgatctg actttctttt tgggtactga ccatttatgc 240
tgacaatttt gtattgattc aatatcattt atggtgtcag atggttgttg tttttctatc 300
tctgattgtt gttatatggg tggcttcttt cttcaaaatt ttcttccgag ctacatctat 360
ctccagagcc actattcttg atgatgggaa gaaaaatgtg atgtttgtaa cnca 414

<210> 8395

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-F2

<400> 8395

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cactcgtttc ccgaaacagc aactcacaga ctcacaccac tccagtctcc ggcttaacta 120
ccaccagaga cgattctctc ttccgtcggc tctatgactt cgattctcaa cactgtctcc 180
accatccact cttccagagt tacctccgtc gatcgagtcg gagtcctctc tcttcggaat 240
tcggattccg ttgagttcac tcgccggcgt tctggtttct cgacgttgat ctacgaatca 300
cccgggcgga gatttggtgt gcgtgcggcg gagactgata ctgataaagt taaatctcag 360
acacctgaca aggcaccagc cggtggttca agcattaacc agcttctcgg tatcaaagga 420
gcatctcaag aaactaataa atggaagatt cgtctcagnt tacaaaacca ntcacttggg 480

<210> 8396
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-C5

<400> 8396

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tggctatcag agtgaacgga gaccgtgccg tgatcttcaa ctgcaggttc gacggttacc 120
aagacacctt gtacgtcaac aatggtcgtc agttctacag aaacattgtc gtgtcaggaa 180
cagtcgactt catcttcggc aaatccgcaa ccgtgatcca aaactcactc attgttgtcc 240
gtaaaggaaa caagggacaa ttcaacacgg tcacagccga tggaaacgaa aagggtctag 300
cgatgaaaat cggtatcgtc ctccaaaact gtcgcatcgt tcccgacaag aaactatcgg 360
cagagagatt aatcgtggag tcatacttgg gaaggccatg gaagaaantc tctaccaacg 420
tnattaaca 429

<210> 8397
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-H9

<400> 8397

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gtacaacccg acaatgcccc aggtggtgga ggagctgaag agaatttggg acataagttt 120
tccggtggcc gccatgagca tattaaacta cctaaagaac atgacatccg tcgtgtgtat 180
gggacgactc ggtagccttg agctcgcagg aggagcctta gccatcgggt tcaccaacat 240
caccggttac tccgtcctct ctggttttagc caccggtatg gaaccattat gtggtcaagc 300
catcggttct aaaaaccctt cactcgcttc cttaaccctc aagcgaacca tcttctctct 360
tctcttaact tctcttccca tatcactccn ttggctaaac ctcgcgcttc taatgctgat 420
gctcc 425

<210> 8398
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-A1

<400> 8398

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cgagaattat cgtcggagaa tttatcgtct ctctctctga aaattctgat cggatgaagaa 120
tcgtcggatc gaaagttcgt ttatcttctc gtttacgttt ccgtgattta aatcctttgg 180
ggtttttttt tcttggtaat gtctgtgttt ctgaatgtgt ggttgatttt tgttcgtaca 240
ctttactttg atcgattaag tttatgtant agttaattga aattttttgg gagaattcaa 300
naagaagaac angaaagaaa acaaatcccc taagccaana ccctttgaat ttgaccctaa 360
anaatnagga tacatnatga ntnaactaat gnaaggcant cctttgantn ggnaaagggt 420
tcccntaang ggggggccct ttgggnaacc ca 452

<210> 8399
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-023-Q1-E1-A10

<400> 8399

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agagaggatt taagctgatt ctgggttctc aatccatggc gagaaagagg attttggctg 120
aaatgggata tgattacact atcgtgactg cagacattga tgagaaagct attaggacag 180
agaagcctga agatttgggtt gtggctcttg ctgaagccaa ggcaaagag attatatcga 240
aattgggagg tgagagccag ttgcaaaaag atcctcaacc aactcttttg attactgcag 300
acactgttgt tgtgtacaaa ggtgttatta gagaaaaacc aaccactaaa gaagaagctc 360
gtgaatttat caaaggctat tccggttcac acggaggagt tgtgggatcg ttcctgg 417

<210> 8400

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-A2

<400> 8400

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aagaagaaca cgaaactctg actgtgtctc tctttctctt cgtgtgtttc tatatttata 120
tataaaaaga caagatctct ggtctggaat tagaagaatc ttatttgggg ttttttctta 180
ggattaagct ctaatggcag atcaagtaaa agagcggact ttagaggaga cctctacgtg 240
ggcagttgct gttgtttgct ttgtcttact ctttatttcg attgtcctcg aacattctat 300
tcacaaaatt ggaacctggt ttaaaaagaa gcacaagcag gctctttttg aagctcttga 360
aaaggtcaaa gcagagctta tgctgttggg attcatatca ctactactca caattgggca 420
aacaccaatc tcaaatatct gcctctccca gaaagttgcg tcaagcaatg caccntgc 479

<210> 8401

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-A6

<400> 8401

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aggtggcgcg tacaatccac gcactgttga anaggtgttt agggatttta agggtcgtat 180
anctggcatg attaangctt taaccactga ngttcaggaa tntttccgac tttgtnatcc 240
cgacaaggag aacctttgcc tttacggnca tccaantgan cactgngaag tgaatttgcc 300
agctgaaaag gttctctctg agctcccaga gcctgtcttg ggtatcantt ttgccacaca 360
cgggatggcg gaaaaggatt ggttgcctt tggtgctgtc cacagtgatg cntgg 415

<210> 8402

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-A7

<400> 8402

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tctcgggagg tttggttcga caaaagatga agtacatgag attccttagg aaacgtatga 180
acactaagcc ttctcatggt cctattcact ttcgtgctcc ttccaagatc ttctggcgca 240
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aggtttttga gggaatccca cctccttacg acaagattaa gagaatggtt attcctgatg 360
ctcttaaggt tttgagactt cagagtggtc acaagtactg cttaatggga cgtttancct 420
ccgaagggtg 429

<210> 8403

<211> 389

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-A9

<400> 8403

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 gagttaggca catcttctc nggctcttt 389

<210> 8404
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-B1
 <400> 8404

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 ggttctcatc tctcaatccc attcgcttat tatttatcca tatgggaaaa gttcttgaga 120
 aggangcgtt tggattggct gcnaaagacg aatcgggaat tctttcgcct ttcagtttct 180
 ctagaagggc gacgggtgaa aaggatgtna ggttcaaagt cttgttctgt ggaatttgcc 240
 aactgatct gagtatggc aaaaacgaat gggggttaac tacttatcct cntgtccctg 300
 ggcatgagat tgtgggcgtn gtgactgaag ttgggnccaa agngaaaaaa ttcaaccctg 360
 ggagacaaag tcgganttgg ntatatgggc cggctcgtgc aaggtcacgt gacagcctnc 420
 aangatgggc gacgaggaac tacngtccaa agaatgatct taangtcccg ga 472

<210> 8405
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-B10
 <400> 8405

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tgaacctagc tgatccagac agttgtttct gtgagtttca aggtgttcat atacaccaca 120
aagtgttaga tccacataca ctctctgatg atgtttcaaa cacaagccct catgctcaag 180
aaacaccaaa aaccaagttt ccgatgattc tattgcacgg tttcggcgct tctgtgttct 240
cctggaacag agttatgaag ccattagctc gtctcgttag ttcaaaagtt cttgcctttg 300
atagaccagc atttggtttg acttctcgga tttttcaccg gtttagtggg gctaccaatg 360
atgcanaacc attgaatccc tactccaagg tgtantcccg tgctcactac ttgtatt 417

<210> 8406
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-B11

<400> 8406

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gttggnatta cgctagggtt cttcttctct gtggtttcgc ataaccant aatccaattt 180
tctacttggg catcaatggg tcgctctcga gggaacttcc aaaatttcga agaccctact 240
cagagaacga ggaaaaagaa aaatgcggct aatgtggana actttgagtc tacttctttg 300
gtaccaggtg ctgaggagg agggaagtat aactgcgatt attgccagaa agacantact 360
gggaaaaatt aggataaagt gtgctgtctg tccagatttt gatttccgta ganaatgt 418

<210> 8407
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-B12

<400> 8407

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ttccgtagca caatcacctc gccgtccttc tcggcaggtt tcttctcngt ggactcaant 120
cgtccgcggc gaatcagann cgatcnccgc cgccgcgct gtanccggtc cttctctctn 180

tcaatcnang gctccgatcg agccgattgc ttctgtatcn gttgctgctc caactgctgc 240
 tgttttgacg gtggaggcgg cggctgggtga tgagaaatcg gnagcatctg gtggtcanga 300
 caatgctgga aanaaaccag tttggaaaag gccgtctaata ggggcttctg aggttggacc 360
 tgtcatggga gcttcacgt gggctgctcc ttctga 396

<210> 8408
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-C10
 <400> 8408

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 tgggtcaagca cttgatcggc tcggttgctg cctccaaggg aaaaatcatt tccgagaaca 180
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 ggcttttgtg gctcctaacg cttctctctc tgggtgatgtc catgtgggaa gaggttcttc 300
 catttggtat ggatgtgtct tgagaggaga tgctaacagc attagtgttg gagctgggac 360
 caatattcag gacaacgctc ttgtccacgt tgctaagacc aacttaagtg ggaangtcct 420
 aactactgtc a 431

<210> 8409
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8409

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 gctcttgga aacggattga cgccatcggc agctgatgtt gctgtgtttt cagctctgca 120
 ttcttcagt cttggcctct cagattcaga caaggagaaa gtaccacatg tcataagatg 180
 ggtgaattac atccagaata aagaagagtt gtcgacatta tttgcaccaa tacctgtgaa 240

gctaccagaa tttagcttcg aggtacccaaa acctgccatt aaggtggaaa caaattctaa 300
 ttcaaaaaaa gctgcagaag gtgtaaagcc tgttgacaag ccagatgtgc agccgcagct 360
 gggcacaaaag aaaactgagc cagaaggaac caaangaaaa tgcagcanaa gagaaggatc 420
 ccaaa 425

<210> 8410
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-C4
 <400> 8410

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 agaaaattaa tgatttgtgt ttttcggagt ccggtgcatt tctgacacgt agttatccgt 180
 taccaaatat tcgtcgagaa aggtaaagaa agactgctct aaaatatttt tatttttgtg 240
 aaaatatgtg acagccgttg atatttggac tgagcttgat agggctgaca cctctagctg 300
 agcgagttag ctttttgaca gagtaagtta ttatcgctcc acaaattttc tataggataa 360
 ctacgagata tttcatagta ttaccatttt attcttttcg acataaatgt gttgggttaa 420
 gtttgtttta gtttagtaac tagtanaaag taattgacat ttccaagtgt tgactgaatg 480
 a 481

<210> 8411
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8411

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 tacggcgtcg tctccagtca ctgtatctga ctatctcgac aactttctcg gcgaaccac 180

ttctcgctcc ggtagttttc aaagcgagag cttactcggt ggaggcgggtg gagaaagcat 240
 caacgacgct gattttggat tcgctcgctc tgatttcga tcggaacaac tagctgggaa 300
 ccgttacagt ttacgaaag gnatgtcttc ctnggtgcta caaaaagcca tctgttttgg 360
 gccncaaggg attcaagctg ctgagttcga tcnattgccc aa 402

<210> 8412
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-F10
 <400> 8412

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 aaattccatg gcactgtttc aggagaagct ttcattcaatt tctcaagtt attcgtcaat 180
 tcattctctt ccgaggattc tcgtgtccaa gcctcgtaat agaattgccg tgacaaagtc 240
 ccgttcgatt tgcagagctt cgtggcaaga gctcgccgga gtgttggttt tctcggcgat 300
 tccattcact gcggttaaag caattgcaaa tagctcaata ggagtttctc tacggcggag 360
 attacaagag aaaaagaatg aagccgtaga gaantcttca agattcaagt ctaaagctca 420
 ngaagctaga aaacgacagc a 441

<210> 8413
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-022-Q1-E1-F3
 <400> 8413

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 catcttcttc ggatgtttat ttgcgttgct ctctgcaata gaagaggcta cgaagttagg 180
 atcagtgata gggatagatc ttggtactac ttactcttgt gttggtgttt acaagaatgg 240
 tcatgtcgaa attattgcca atgaccaagg aaaccgtatt acaccttcat ggggttggttt 300

tactgactct gaaagactca ttggtgaggc tgctaagaat caagcagctg ttaatccaga 360
gaggactgtc ttcgacgtta agagattgat cggggcgaaa atttgaggat aaaggaggtc 420
aa 422

<210> 8414
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-022-Q1-E1-F7

<400> 8414

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gccatctccc taaaggcaat aaatctcgga tccactttca cgatattttg atattttttc 120
tatttataat ctttctgggt tttgagtctt ttgaaggctg aattgctctg aaatctcaat 180
tgtataatca tctcctgggt cgtcgttata gtgatcatct agaagaaagc atgactacac 240
tagatttgac cagagccgag cttgctctta ttgttctcta tttgaacaaa gctgaggcta 300
gagataagat atgcaagagc tatccaatat ggttccaaat ttttgagcgg tggccaacct 360
gggtactgct caaactgtcg acaaaaacac cagcttggcg agaaaagttt cccgtc 416

<210> 8415
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-F8

<400> 8415

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tgaagatgga gtgtgtattt ggtctagttg ggaatggatt cgctatcgtg gcggcgata 120
catcagcagt tcacagtatt cttcttcaca agaacaaaga gggacaagat catgactctt 180
gactctcaca agctcgtcgc cgctagtggg gagcctgggtg accgggttca gtttacggag 240
tatgttcaga aaaatgtgtc actgtatcag ttccgtaatg ggatcccttt gagtacngcn 300
gctggctgct aacttcacnc ttgggnaaac ttgcaacngc tttganaaaa gnatccatat 360

ccggtgaana tcctgatggc cggggctatg acaaana

397

<210> 8416
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-F9

<400> 8416

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ccgcccacgc gtccgcaaag tacacatcac ctaaaagtaa aaatagacaa aagagacctt 120
gtcctcacgc ctctctcttt ttcccggcaa caactaacia caacacttct ttacctttct 180
ctctaaggca aaaccttctt cttatgtgac cactcctcca tgcacccctc ctccgcgcgc 240
gtctccggcg aactcacaaa accaccaaca gctccactcc aaccacttgt tgacctata 300
acaaacgtcc tctcctcctt cctcctctct tccctcaccg tccgttcctt catcggaacg 360
tggcaaattc tccgatcaaa ctcttcacac taaactcatc tctctcttcc ttatccgaat 420
canctcactg gtcacaaaat cctctcctcc aaaatctcct ccctttt 467

<210> 8417
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-G10

<400> 8417

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ctccggcgaa gctacgcctt agccgacgct cactcagctt atctcctttc tctgaacacc 120
gtcgggtccag ctctccatag attcttccaa catgccgtcg agtctccgcc ggatgttgaa 180
tccgaagctg acgaatcacc ggagacgtat tctccggaat cctgttcctc ggctcactcg 240
gttaccagtt ctgattccga ttgacctccc aagttcgatt cggattgtga ggaagggtgaa 300
ggtagcaatt gcgatctctt aagcgggttca aaacctgaat ctctaaatct taatcatgac 360
tcgttctact cccggagata cgaatccggn accataacgc cgccttcttc aacgncgggt 420

<210> 8418
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-G12

<400> 8418

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tgttttctcag ttatattcaa tctgggtgaaa aaaaaacaaa aagcttcaag ctgagagacg  120
aagatcctct gttttctgagg acttgcttat cagattcttg tttcctaaac caaccgattt  180
gaaccaaacy gtctattccg gttattgcct cttgaagtca atcacagaat gtcattgtag  240
ctttagggtta tgccaaggaa atcgctcaaa gattttctcag aaatccaaaa tggacctcta  300
gattcttctt gcttactat caatcctcta attactccag ttatgtaaaa gtcaagacct  360
tttctacaag ttcaatgtaa atcaacttcc tttgatgttt cacaagctc anagatggga  420
tctaattg                                         428
  
```

<210> 8419
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-G4

<400> 8419

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gaggtgacag tattgttaag atccaaattc agaagttata tgcaagcgct tgtggagaaa  120
cttgcagaaa atacgaggat acaaagtcac atgaagctaa agaccatcat ccacgactta  180
agggaaacca cagcgaacc ggatgttaga aacagaatga cgtcattgaa ggatttgcta  240
gacaaaacca tcgatcatct acacggtggt ttcttaccag atgtgtttgt agcaatctgc  300
agaggaatct gggaccgaat gggacaggat gtgcttcgtc ttttgaaga caggaaagat  360
aatgtgactt ggcataaagg cccaagaatc gcagtttctg ttttggatga aatctttgcg  420
acacaaatgc aaagcttgct tgggaaacng ttttgaagcc cgancacttg gagccaccaa  480
  
```

<210> 8420
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-022-Q1-E1-G5

<400> 8420

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 cgggctctcg ttcggcacct ccagcttttt cagtgaagat gaccgactct tttcccgaca 180
 gcatacggct ccatcagcgg tgttggtcgg attttagttt tactttggcc atagatgagt 240
 tactctcacc ttttggctct tgttttcctt tcaataattt cagcaattat gtgttggtga 300
 taacgattta ggtgctatgt tgcttaaact gttgattatc cgactcatgt tgtttgaagc 360
 ttggttttac aggaattaat attaataattt gcaagtttaa aattgaagag 410

<210> 8421
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-G6

<400> 8421

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 tggagaattg catatggaaa ccgaagctat gagaaaaagg ttacaggcag tgcgagaaag 120
 aaaggcaaca ctaatggctg aagtcagatt tctgcgacgg agatacagac atttgagaca 180
 agaccagcca caagagatta aaaaggctcag aagatcaaatt ggtgggaaga agatccgagt 240
 ggaagtgtct cctagtaaca aaagtgaggc ggaaactaag catgttttcg cttcctgact 300
 taaaccactc ggaaaaggct cacgatgaaa ccaanancag tcctangaga agagttcctt 360
 tgtttgatct aanatcagat atctggagaa ngaaggagca aagnaaacag aggcagtgga 420
 caanaatcca atagaaacac natgagttga agga 454

<210> 8422
 <211> 421

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-G9

 <400> 8422

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 caactcactg attgaactgc ttgattttcg attgatcatc tgggtgggtt tgaatcgaag 120
 agtattgttg tattagtggc tgggtggctct ccaaagagt aaggccggag agagaaatca 180
 atggcctctg gcggcggaga ggcggataaa tcacttgaaa tcgggtccgg gaccgcggat 240
 cccaaaatag gcggtactgg gagcaggagc gccggagaag aacgatactt cagggcaaga 300
 tacactggat ttcagtaa at gggatttgca tatgggtcaa acctctacta gcagcgtcct 360
 caacaattcc gcttccacga acgctccgc aaccggcgaa gcaagaatgg ganattgacc 420
 t 421

<210> 8423
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-H11

 <400> 8423

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 atcaatcaaa accttagggt tttctactaa tttatctgtg tgatgttaag agaatcatca 120
 tcactctcgt cgtcatggga ggagtaactt catcaatcgc tgcaaaattc gtttttttcc 180
 cgccatcacc accgtcttat ggatttgttt ccgacgttga ccgattatac ataacagaag 240
 tacctcgccg tgatgatgta gatgtattga agctaaagac tcgtcgtggg aacgagattg 300
 tagctattta tattaacat cctaaagcta atggtagcgt tttgtattca catggtaacg 360
 ctgctgattt gggtaaatg tttgagcgtt ttatcgaact tagtaatcgt ctccgactta 420
 aaccaaggg ggat 434

<210> 8424
 <211> 425

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-H2

 <400> 8424

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cgagatacaa ccaccgggaa atctacatca ccggcgagag ttacgccgga cattacgttc   120
ctcagctggc caaagagatc atgaattaca acaaacgatc aaagaatccg ttaaattctca   180
aaggaatcat ggttggaaac gcggtgacgg acaatcacta tganaaccta ngaacggttt   240
cgtattgggt gagccacncc atgatctctg atcggacgta tcatcagttg ataagcacnt   300
gcgatttttag tcgtcagaag gaatctgatg aatgngaaac cttttantct tacgctatgg   360
gnganngagt ttggtaacat tgatcagtna aacatctatg cgccgccgtg taacaagtca   420
ancga                                                                    425
  
```

<210> 8425
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-H7

 <400> 8425

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catctacggc gtcgtctcca gtcactgtat ctgactatct cgacaacttt ctcggcgaan   180
ccacttctcg ctccggtagt tttcaaagcg agagcttact cgggtggaggc ggtggagaaa   240
gcatcaacga cgctgatttt ggattcgctc gtcctgattt ccgatcggaa caactagctg   300
gaaccgtaca gttttacgag aggcatgtct tcttggtgta naaaaagcca tctgtttggg   360
cccgaagga tcgangctgc tgagttcgat cgattgccta ng                          402
  
```

<210> 8426
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-F1

<400> 8426

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gatttgtaaa aaagtgtggc agagagaaac catggctatg gcggaaatgg caacgaagtc 120
ttcactatct gcaaaactca ctcttccttc ttcttctact aagaagacac tgagtctgag 180
acaagtctct gtttcacttc caacatcaac ttcaatctct ctgttatctc tctttgcac 240
tcctcctcat gaagctaaag ctgctgtttc cattcccaag gaccaaactg tctcctctct 300
cactgaagtg gagaaaacaa tcaaccaagt tcaagaaact gggttctaag tgtatttgat 360
gcaacgcagc gtgtgttcca agtagtanga gatgctccta aaaccaactt tggacactgc 420
tttaa 425

<210> 8427
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-C5

<400> 8427

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acgcgtgggt ttcgctttct ccgtacactt ggccttcctt ctagegatca aaccctaggt 120
cccgccattg ttgggtcccag acttcaatcg aagctccaat ttcactaatt tcagggtgtg 180
tttattctct ggaagttggc gatacaatgg attctactgc tgcaacaaa cgtgttggtg 240
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gagtcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 420
nnnnnnntg caactcggct gagataacca gttatgatac tcaagagtct 470

<210> 8428
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-C7

<400> 8428

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tcaagactta tggaagtact ctgctgggtc ttagggcggt aggtcatgat gttcatcctg 180
atgaatatca cagtttcgtg cacggaaggt taccgtatgg gtcgatcgaa ccaaacaaca 240
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agtttcttga ggaccttcac cgcatgattc ttggtttaga agattgtttc gaagagatga 360
tttgttttga gacaatgaac ccaaatttat tcgggtcaac aaccgaccc gatgaatacc 420
cggttgttct caagccttcg ttgaccgcaa tggatatttg cattcgt 467

<210> 8429
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-C8

<400> 8429

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gcacttttcc tttagagtaga tcttcaaaga ttaatttgag ctcatctttt gcttctttgc 180
cacttcagtt tcataaaaac attaagagat tagaatcttc tgttccacca tcagcttcag 240
cttcagcttc accggcgttt cctattgatg ttgagtatct ccggcgagag ttctccggcc 300
atggagccac tttcgaagat attggtgaga catgtattgc tagactaaaa ctggacaatg 360
ggagttcagc gaatgtgatg ttgacacgtg ggatgataac atcgtacaaa gtccgagtg 420
ggcacggtgg caaagtggag cttctccac 449

<210> 8430
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-D1

<400> 8430

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ccggaccggt ttatcgatgt aaatacgcta aagatggcct cctcgatctc cctaccgata 180
ttgattctcc ttggcagttc tttagtggagg ctgtgaagaa atatccgaat gagcaaattgt 240
tgggccaacg cgtaacgact gattctaagg tcgggccata cacgtggatc acatataagg 300
aagcgcacga cgctgcaatt cggattggat cagcaatcag aagccgaggc gttgatccgg 360
gacactgttg tggtatTTac ggagctaatt gtccagaatg gattaatgca at 412

<210> 8431

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-D2

<400> 8431

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ctcgcaactc attgcagcac cgtcgagag agtccgacac gtagtccagt catccacctc 180
cgccgtcgta aaacgctgcg tttgttactc actcgatcat cagaccgatg gagattaccg 240
gagatccaaa acaacgtaga tgaatcgaag aaaacggata agagaggtaa gatccgatct 300
agccggaagc ttggagatct ttttgtttcg tcgccaccgt ttgaggaaag tggcggtggc 360
ggcggcggag ataaggggac gaagatggan gtggagatgg aganggatgt accgggttaa 420
cggcg 425

<210> 8432

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-D4

<400> 8432

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tcatgttggg tcaagtagaa gactgcctgc atctgttggg ggaaagtaat cgaatacctg 120
aagccgctct gatggcgaga tcgtaccttc caagcaaggt ctccgaaata gtggcattgt 180
ggagaaacga tttgaccaag ataagtccaa aggtctgtga atctctggct gatcccgaag 240
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agacgagggg cgtccatcct cctgctgggg attattgtag tcatgcagac agagatcata 360
caactttagt ggatgctttt agaattatgc aaatagagga aganggtcga cttgagcaag 420
gggatgttct cgacgaggtt ggggaanaag ggggaagat 458

<210> 8433

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-D5

<400> 8433

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cttgataatg taaattcaca acaaactctgt ttaaaaacaa ccaatcaaaa cccaacattg 120
cttctcaaca aaaaagcaaa gcaaaagatt ttgcgagaga aaaaaagaa aatggatttg 180
ttcaagatcc ttcttcttgt gttcttcgtg aacataagtt tctgcttcgc tgcagatcca 240
tattctttct ataacttcga agtctcttac attactgctt ctctctttgg tgtccctcaa 300
caggtcattg ctataaatgg aaagtttctt ggtcctacaa tcaatgttac aaccaatgaa 360
aatctgggtg ttaatgtcag aaacaagtta gacgaggac ttcttcttca ttggaatgga 420
atccaacaga gacgtgtgtc atggcaagat ggagttttaa gaaacaaat 469

<210> 8434

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-D7

<400> 8434

aggcgatgct aggttttttac gtaacgttca ttttctttct tgtatgccta tttacttatt 60
tcttctcca aaagaaacct caaggtcagc ctattctcaa gaactggccg ttcctcagga 120
tgcttccagg aatgctccac caaatccctc gtatctacga ctggaccgtc gaggtgcttg 180
aggcgaccaa tctaactttt tatttcaaag ggccatggct tagtggaacg gacatgttgt 240
tcaccgccga tccaaggaat attcatcaca tactaagctc aaactttggg aattacccta 300
aaggacctga gttcaagaag atctttgatg ttttgggaga aggaatctta accgttgatt 360
ttgagttgtg ggaggagatg aggaagtcaa atcacgccct attccacaat caa 413

<210> 8435

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-D8

<400> 8435

accttctaga tgagaccgtt ctggtaaaca gcccagagaga tgcagttttg aagctgataa 60
gaaaaataaa cccgaatgtc ttcattccag cgatcttaag cgggaattac aacgcgccat 120
tctttgtcac gaggttcaga gaagcgttgt ttcattactc ggctgtgttt gatatgtgtg 180
actcgaagct agctagggaa gacgagatga ggctgatgta tgagaaagag ttttatggga 240
gagagattgt gaatgttgtg gcttgtgaag gaacagagag agtggagaga ccagagacat 300
ataagcagtg gcaggcgaga ctgatncgag ccggatttag acagcttccg cttgagaaaag 360
gaactgatgc agaattctgaa nttgaaaatc gaaaa 395

<210> 8436

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-E1

<400> 8436

gaaaaaaatc tcaaactctgg caaaaaatgg cgacgattcc aatggatatc gtcaacgaca 60
tattcctccg attaccagca aaaactctag ttcgttgccg tgctctctct aagccatgtt 120

atcatctaata caacgatcca gatttcatcg aatctcatct tcatcgcggtt cttcaaaccg 180
 gtgatcatct catgattctt ctacagaggag ctcttcgtct ctactctgta gatctcgatt 240
 cacttgattc cgtctccgac gttgagcatc cgatgaaacg tgggtgggtccg accgaagttt 300
 ttgggttcttc caacgggttta atcgggttat cgaattctcc aactgattta gcgggttttta 360
 atccttcgac tcgacagatt catcgattac ctcttcgctc tatcgatctc cccga 415

<210> 8437
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-021-Q1-E1-E12
 <400> 8437

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 ctcatggccg tccccgggtt cttctcttcc atggcgcttc tccggcattg tctgtatcg 120
 aacacagagg acggaggagg aagcttcttc catgtcgtc ctcgccgaac ttttcgtcct 180
 cacctctca acactagtctc tgggtgtgga tttcttaagt gttatagtga ctatattaca 240
 agaaaatacc tgcggaggaa taggactcaa gctatagcag agtatttggg ttcagcttca 300
 gatcctaaga agccaactgg gaagtcaagt tatcatcctt caagaagata tcagagcata 360
 tgtgccaaag aaagaatcct ggagaatcca aggctttaac tctgaaact ggtaaaaaaca 420
 ac 422

<210> 8438
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-021-Q1-E1-E2
 <400> 8438

ctctcttttt ttcgagattc agctgtaaaa ccctaactag cgccatagcc aaggaagctt 60
 tctcagatc gtctctccga aattttccgg ttaatcgtca gttaagggga aaattaggct 120
 atggcgatgt taggtgcaca gcaagttcca gcagcagctt gtactccaga tatgggtggg 180
 aatgcttttg tgccccagta ttatcacata ttgcatcaat cacctgagca tgttcacaga 240

ttttaccaag agattagcaa gttagggtcgt cctgaagaga atgggtttaat gagcatcact 300
tctaccttgc aagctattga caagaagata atggcgcttg gttacgggtgt aatcagtgca 360
gagatagcta ctgtggacac acaagaatct catggagggtg gttatatatt 408

<210> 8439
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-E3
<400> 8439

cgnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnatg 60
gaattcccca aaccaaacca cccttcaccc taaaaatcgt ttcattctttt tttccttctt 120
ctaattttttt ttaggtttttt aattaacttt tgcttcaagt tttcttctat agatttctta 180
ctcagaaaag tttcgaattc gaccctgtag cttagttggt gtttataatt tcttgtgatc 240
attcacagta caaaaaaact aattcaccca ccgannnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntccggg aaatttgatc 360
tctttacctt tcgtcattat taagtangga atgatctttt agtt 404

<210> 8440
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-C10
<400> 8440

antgttaaac ttccagccgc cngtaangg tccanaattc ccgggtcgac ccacgcgtcc 60
gctcttctgc ttcttcttct tcaaaatctc tctcttcacc aaatcctcan aagatgagca 120
acganaagga tagcttcaac gtctccgac ttactgctgc tcttaaggac gaggatcgag 180
ctgggtcttgt caatgctcta aagaacaagc tgcagaatct ggctggtcag cgttctgatg 240
tgctcgagaa tctgactccc aatgtgagaa agcncgttga tgccttgagg gatatacaga 300
gccaacatga tgaactanag gcaaaattcc gtgaggagag agctattctt gaagccaagt 360

atcaaacgct gtntcaacct ttgtatgtca agcgttatga aattgtgaat ggcactactg 420
aaagtttaac tggctccaaa agntgatacc aaagnggggn caaaggggat ggggaaaact 480
gtgnt 485

<210> 8441
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-E6

<400> 8441

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agcaccttga cgcttacttg cctgttcgag tcaacgagca gagagttagc aacttggtgc 120
agtcaactgct tgtggcaggt gcagtgttgg ctatgccggc cattaagctc ataccgactt 180
ccattctatg gggatacttt gcttacatgg ccatcgacag cctcccggga aatcaattct 240
tcgaacgctt aacgcttctc ttcgttccaa caagccggag attcaaggctc ttggagggag 300
cacacgcgtc gttcgtggag aaagttcctt acaagtcaat ggctgcgttc acactgttgc 360
agatattcta ctttgggctg tgctatgggg tgacgtggat tccggt 406

<210> 8442
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H12

<400> 8442

ttacaantgc cacccgggccc gtaacggctn nnnctcccgg gccgaccan tntantcang 60
acancagggga gaantaaccc tttcaacaaa actctctctg ttctttctcc gtggagaagt 120
taaagatgac gatgtcggag aactcaagaa acttgaagc tggtttgcta ctgaggaaga 180
acaaaaacga catcaacgaa tgctgtatca ctgctgttgt acttttcagt actttcgttt 240
ctgtttgtgg ctctttctgc ttcggttgtg cggcaggtta ttcattcagtt gctcaaacag 300
ggatcataaa tgatttaggt ctctctgttg cacantactc catgtttggt tcaatcatga 360

cttttggagg aatgattggt gccatcttca gcgggaaagt tgcagatctc atgggggtcga 420
aaagggacta tgtggtttgc tcaaattttc cgcaacctcg gttgggggttg caatac 476

<210> 8443
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H4
<400> 8443

caaggtcgac ccacncgtcc gnccacgcnt ccgttcctan tgaaagatac tggctttcct 60
tgtcaaaacc ggtgttatgt tttcaacgga gactatgtgg atcgcggtgc ttggggactt 120
gaaaccttcc ttgttctctt gtcctggaag gttttgatgc cggacagagt ctacctactc 180
cgtggtaatc atgagtcaaa gtattgtaca tctatgtatg gtttcgagaa ggaagtgcct 240
acaaaatacg gagacaaggg aaaacatgtg taccggaaat gtttgggttg ctttgaangt 300
cttcctttgg cttccataat ttctggacgt gtttatacag cacatggagg gcttttccgc 360
agcccagtct tgcctaagcg aacaacaagg gggaaaaaga accgtcgggt agttcttctg 420
gaacctganc cgagctcatt gaaactccgg a 451

<210> 8444
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H5
<400> 8444

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atttangctt ctgcaacgaa ganatggctt tagtcggagg tgttgcgat gtccctgcta 120
atcagaacag tgggtgangtt gagagcctcg ctcgtttccc tgtcgatgaa cacaacaaga 180
aaganaatgc acttcttgag tttgcgaaan ttgtgaaggc gaaagaacaa gttgtanccg 240
gaacactgca tcacctgact ctggagattc tcgangnaag acaaaagaag ctttacgaag 300
ccaaagtgtg ggtcaagccg tggttgaact ttaaagaatt acaggagtgc aagcctgcca 360

aatgatgccc ctgctatcan ttcctccgat nttggctgca aacaangtga acatgaatc 419

<210> 8445
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H7

<400> 8445

gcccacgcgt ccgcttcttc ttcctctcgg agcatcgctc actgtaaata tctttctatc 60
tctctcattt ctatttatcc gcgatcgggtg gtgatgatga aaatgatgat cgagttcgnt 120
gtaattacag agaggaagat tttcttccga tcaaatccga aatggatttc taagaaactt 180
ccgtggattc gccaccgtaa cttcgtcggga accggcctta gccaatctgg aagcgaaata 240
tgccgtagcg ttgccagaat gttcaacagt agaggacgag atcacgaaga tccgtcatga 300
attcgagtta gcgaaacaga ggtttcttaa tatccctgaa gctattaata gtatgccgaa 360
gatgaatcct caagggatat atgtgaataa gaatctgaga ttgggataat atacaagttt 420
atgga 425

<210> 8446
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H9

<400> 8446

gggaagaggt cgaaaacatc aaggaaagga aaaaaagcat ggagggctaa cattagctcc 60
gaggacattg aagatttctt cgagaaaact accagagatg ctctctccgg tggcaatctc 120
tccgtgctc ccagcgaaga cttgttccac gtcgataaat cccatgacct tccggtgaag 180
cgaaagattg agaaacatag agagagagtg ctccgtgttg acagtatctt aaagaagaat 240
ccatttgtcc agttagtgcc atcttcaaag ccaaagttga agaaaagtaa gaagacaatc 300
gttatagaag acaaagcacc taaacaagtt caaaaaagtg ttggtgacga ttctgtaatg 360
gccgacttgt ggggtgatga tagtaaaggn gaacatgtg 399

<210> 8447
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-A7

<400> 8447

cttctacttg gnnccgcccgg tcnaataaccg ggccggccaa ccacgcatcc aaaaggacca 60
aaacgcagcg ttttcttccg gagatcagtc ggtcggaaaag cggctacett tttgtctgcc 120
tagagaatth gttcgtttct ttcttttact ctcttcagac aaaaccacg agatacagaa 180
aaagaggaca agagagaatc gtccatggaa gaagacactg gtatcgacga agctaagaca 240
tacacggtgg agaagagcga gaaagtggag ccggagaagg acggactgag tcaattcaga 300
gacgaggaaa aatcacttgg tgcggatatg gaagatttac atgatgagac tgtgcgagaa 360
accctangca aggatcaggt tcaaggtgtt cgagaaaatt cctctgtgga accaaatgtt 420
gaagatgtat tagaagtga ttagactgat agcgtcaaag gaaactgt 468

<210> 8448
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-A8

<400> 8448

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caatatcacg ttagcgcaag cagagctcgg ttataaacct gcggttgatc ttgagacggg 120
tttgaaaaag tttgtgaaat ggtatatggg tttttacact ggctcgaaga agaagagttc 180
ttggtgagct ctgtctctct gcttaagtca tgggtctctgt ttcccttgt tgagcttgga 240
gttcgctcta ggttaagctt ttgaaaccga gcacttgcac tgccaggaaa aatcacttac 300
gtatctgcac tgtttctgtg ttgctagatt ttgtttcatt tatttgtag tagattttga 360
gcaatgtaca gcttcatcac ttagatgttt caattgtcga aactcaattg tcntttccaa 420
aaaaa 425

<210> 8449
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-021-Q1-E1-B1

 <400> 8449

 gaaaatgtgt gagaagggttg tggattcaaa cggagaatct gttcctttat ctgaagaaaa 60
 gattgcaagt atctctgatg tcatagaggg atttgcttca gaggetctta ggactctctg 120
 cttagttttac acggatcttg atgaagctcc cagaggggat cttcctaata gtggctacac 180
 attggttagca gttgttggaa tcaaggaccc gggtcggcct ggtgttaggg aagccgttca 240
 gacttgtaa gctgctggaa tcaactgttcg tatggtcact ggtgataaca ttagcactgc 300
 caaagcgatt gcaaaggaat gtggtatact tacagcagga ggtgtagcta tagaaggttc 360
 agacttccgt aatttgcttc cacatgaaat gagggccatt ctaccgaaaa t 411

<210> 8450
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-B10

 <400> 8450

 cgtgggcaaa aaccaaaca acaacaaca aaccagaagt tttatttttg ttaaagagta 60
 accaaaaaaaa aaaaaacaga gtaccttctt cttcacacac ataaaaagag acggtaccaa 120
 aaaataaaaa cagagcaaac cacaaaaatg gggaagcatt tattccgatc atctcctcca 180
 ccggagaaac caacagctca tctctctctc gcggaatcag ctgttcaaga atgtatgagc 240
 aacatcaaca ccgtcatatc aaaatggact tctccggctg cttcttcctc cgacgacttc 300
 ctcttctcca ccaacagtcg tcgtgaagca gaggagtgtg ttacagccgt tagacatcta 360
 caaagcacga tgcatacgtt ggtttccgtt aacccttcct cn 402

<210> 8451
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-B12

<400> 8451

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tggtgttgaa ggttcaggtt gttgacgggg gactttcana tatntacaan aacagtgtta 120
atctagatga tcagcaagtt aagttctttt ggaccatagt acgggattca atatcnattg 180
cggctcgtgg tgataatgaa aagtggctat cttgcaattg gttttggtac cgaaatgaca 240
aacagttatg cttatatattg ttggtttgat ngaaatggaa cagggcatgt aaatanntac 300
tggtatgatg gagaatccgc ttccactgtg catcctacaa ctgaaaatat gacatacgtn 360
agatncaaan ccgaataagg aatcttcaca ccggaanta aacgttcctt 410

<210> 8452
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-B4

<400> 8452

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ttattcattc tactgattgt gaagggtttg ggcgttgaa ggcgaagatt cagcacgaat 120
ttccagcttc tattcagaat cataaagggt cttgtgttcc tcacatttgt ggcaattctc 180
ataactttcc tcgcacttcc tctgataaca atcaaagact tattcatctg catgcttgcc 240
ttcatgccaa ctggatgggg aatgcttctc attgcacaag cgtgtaagcc tctgatccaa 300
cagctagggg tatggtcatc agttaggacg ctagctcgag gctacgagat cgtgatgggg 360
cttgcttctg ttacaccag ttgcgtttt ggcttggtt ccttttgtgt ctgagttcca 420
agacaagaat gctctttaac caagccttta gtaa 454

<210> 8453
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-B5

<400> 8453

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aaacaaggaa gaatttcagt tagccttggt caagacaaat ataaaagaga gcttggttgc 120
agaccgggta ttcgatttgc ttgacacaaa gcataatgga atactgggggt ttgaggagtt 180
tgcgcggtgt ctctctgtct ttcattccaaa tgctcccata gaagacaaga ttgacttttc 240
gtttcagcta tatgatctta agcagcaagg tttcatagag aggcaagagg tgaagcanat 300
gggtgggtgt actcttgctg agtccggcat gaacctgtca gacgaaatca taganagtat 360
aatcgacng acntttgaan gaaagctgat acaaatcatg an 402

<210> 8454

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-B6

<400> 8454

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ccaatcatat tccacgacga cttcatctac tccgaggaac agggagtgggt gtacnagaan 120
agggtcacgg aggtttgcnt gtengantt atgtcctacg ggncacanag ggatacaggc 180
aagacaggaa agcctttgct gagaaagtca aaggaaggga agatccataa gtggagcgtc 240
gnaaccgacg actctttctg tactcnnaa gaggcctttg anaaagtaga gaatccagac 300
ctcggtttca acatcgaact caagcttgac gacaacgtct tctattcctc cgatcacctc 360
tcccgtcttc tcttcccaat cttgcangtc gtgtctgata tcggaaacn 409

<210> 8455

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-021-Q1-E1-B9

<400> 8455

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 gttcacgacc ttgcggtcct tgccaacttc tttggtcgag acagggcaga accgtgtcat 120
 tgatgcttcg ttaactctca tccgtgaaag ggcaaaactc aaaggagagt tagtgcgact 180
 cataggagga gcaaaagcta caacagctct tcttgagta ccacttggtc acaactcttc 240
 ttttcttgaa ggcccagcct tggtcctcc tcatgtaagg gaagctatctt ggtgtggtag 300
 taaaaactcc accactgaag aagggaagga gctaaaagat ccacgtgttc taagtgatgt 360
 tggatgatatt ccggtacaag agattanaga aatggggggt gatgatgana gaccta 416

<210> 8456
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-H11

 <400> 8456

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 tcntccgatc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnagag aagaaaccat gaatgcttta gctgcaaca acaagaaact 240
 tccgtcatgc atctcgaatc ctgggtttgg attcnaagat cgagagaagt cttatgatcc 300
 catttagaga aatcaagggt gagtgtacga ttctaaaga cgatggcact ctggtttcat 360
 acatcggatt taaggggtcaa catgacaatg ctentgggac caagaaaagg gggaacaagt 420
 atcancccgga gggatgatcaa aatgaaatta cncccc 456

<210> 8457
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-020-Q1-E1-F5

 <400> 8457

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 agtatgggtc tggagttctc ccagaaaata agaaggaaaa gggcgataag gaaaccccg 120

aaacatctta ttccagtcaa agtgtctcag taaacacttt ggcagatcaa gtatcttcaa 180
 ctttgtcttt tgetccaagc agcgacagta aaactggagg tgaagttaaa tttaatgaaa 240
 agtctgatca gagcggaag agtaacacat gtagaccaag cacaagcagt gatatcagtg 300
 atgagagcac atgtagcagc tttagtggta acaacaagcc tcacaaggcg aatgacgtga 360
 gatgggaagc aattcaagct gtccgaacga aacatggcgt attgggggtg aaccatttta 420
 ggctcctga 429

<210> 8458
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-F6
 <400> 8458

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 cgttgctcga aaattctcaa ccggaagtgt aattgagatc gacgaccgag gggcggaagg 120
 ttcctgaggt ggagattcat ctgtataagt gtggaaaagg tccgatcgat gtgttcaagt 180
 caaatctcgg cggttatgag caggatcagc tcgagggttcg atctattctt gagaaatatg 240
 gcttgaaagc aatcttcgct ttcaacgttg aaaaaagtcn tgctgttccg atnagattca 300
 ncctaagaat ggtcggctgt gttgccttaa aagggatggt gcctcattta catcgacggt 360
 gaaccaaga tctgtcaac ccacacagaa cattccgggt tngat 405

<210> 8459
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-020-Q1-E1-F8
 <400> 8459

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 ggaggaatat ttgaatctta tgttgaaagc gagagagatt cttgttagtg aaagccatga 120
 agaagtagcg atggatcatg atcatctctt taagcgtcaa gactccgaag agtataaaac 180

atcgcgtgcg ctgtacgaca tctgcgtttc ttgtaaccca ggttgcttaa ccctaaagct 240
tcttaaagtc tatcaatctt cttccagtgg cattctcaag actccgatca atctctcaac 300
tctctgagac cctcacctat ctgaaaaatc aaatcgtatt ttccaaattc tctctcgact 360
ctctctatga aatcaaacc cttttgattt tatgccttac aatgcaagaa accaaagaat 420
ctgaca 426

<210> 8460
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-F9

<400> 8460

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gggcagaacc ggaatggaga attattctgc tgaggtaactt caatcctgta ggagcacatg 120
agagtggcag tattggtgag gatccaaaag gcatccccaa taacctcatg cttacatcc 180
aacaagtggc cggttgacgt ttaccggaac tcaatgtcta tggacatgac tatcccaccg 240
aggatggtag tgcggtaaga gactacatcc atgtgatgga tttagcagat ggccatatcg 300
ctgcgctcag gaanctatctt gctgatccaa agattgggtg tactgcttac aatctaggga 360
ctggtcaagg aacgtctgtg ttagaaatgg ttgcagcttt tgaaaaagct tccggcaaga 420
aaatcccgat taanctctgt ccc 443

<210> 8461
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-G10

<400> 8461

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tgtgaacgat ggaccaaaa ccggagaggc gagaaggccg gagttttccg gagcgtaaag 120
gacagaagcg gaagctagag gaaggagccg ccgccgtaga agatcgagag atctctgccg 180

tcagcaccga cggaggccaa gcgcttctta gcgagggtgc tgctcaagtc tcggtactaa 240
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 tggctgagct agccaaaaac gaggatttag tgaacgtgat tgctgacgga ggtgctgttc 360
 cagctcttat gacgcata cangcgccac catacaacga cggggacttg gctgaaaaac 420
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<210> 8462
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-G11

<400> 8462

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 gagtccgtag ctgctgaatt atcctctatg cttatagaga atcgtcaatt cgccatgatt 180
 gttaccactt ccattgctgt tcttattggt tgcatacgtta tgctcggttg gaggagatcc 240
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 gaagagattg atgatgggag taagaaagt accatctttt tcggtacaca aactggtact 360
 gctgaagggt ttgcaaaggc tttaggagaa gaagctaaag caagatatga aaagaccaag 420
 attcaaaatc gttgatttgg atgaatacnc cggtgatgat g 461

<210> 8463
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-G12

<400> 8463

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 tttctcggtg gngaagcngn ggttgtaatc gacatcgacn ccggaactgt gccgangacc 120
 gcancgaact gtcaatctca ccgtgtaaatt ttcaaattct tcgatatgcc gcctccagaa 180

atttcgaaaa gggttttaga ctcgagctt gaancttgca aattcgatt cttgaagcta 240
 agtgcggtta aaacgacgag aatgaagaac tataagcaac tgcgtactct gcttatgttg 300
 aaagaaatat ctcgacgtgg tgctgatcga gactttctta aagattcgga gaataatgta 360
 actccaatac tnggttcggt tccaaagcaa gtggtgagta actcananag ttcttttaaag 420
 tcccctcggg ggggtttaaa tttgggacaa ttgggtgn 458

<210> 8464
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-G3

<400> 8464

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 aaatccagca atggcttcga agctttagt gataattgtg tttatcctcg atctcatcgc 180
 cgttgggtta gccattgccg ccgagcagag aagaagtgtc ggcaagggtg aaacagacag 240
 agacaagcaa tatgattact gtgtgtatgg tactgacatt gctacaagtt atggagctgg 300
 tgcatttgtt cttctctttg taagccaagt ccttattatg gctgctagtc gttgcttctg 360
 ttgtggaaag tctcttaacc ctggcggttc aagagcttgt gccattatc tcctcctcaa 420
 ttgctgggtg ttttctgat cgctganatg tgtttg 456

<210> 8465
 <211> 181
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-020-Q1-E1-G5

<400> 8465

gcggacgcgt gggttttttt ttctttcctc tttttcttaa gtctttagat tttctactgc 60
 aggttaaaaa aaaaaaaaaa gcctaaacgg ctgtatcaga actttttgtt ttggattgta 120
 ataaaacatc tgaataaaga gattggcttt accgttttaa aaaaaaaaaa aaaaaagggc 180
 g 181

<210> 8466
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-G7

<400> 8466

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tgagggtttgc gatgtctaata cacggatttg cagcggttct gcctggagat tcagttgcag 120
gattgggtggt tgctaattggt ttgatcaatt tcctcaacat atataacacc atccttgtcg 180
tccgtctagt actcacctgg tccccgagtg ctctctctgc cattgttaac cccctcagca 240
ctttatgtga tccataacttg aacattttcc ggggattcat accgcctctt ggaggattag 300
atgtgtctcc cattttgggc gttccttggt ctcaacgct tcaccaagct cggctatggc 360
acttccttgc gaactcccg cagctgatgg agccgtttct ccagcttcta ntgag 415
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<210> 8467
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-G8

<400> 8467

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cgccgaaaca ntttcgccgg cgttacaccg gagaattcat cttctttgt cttantactc 120
tactagccaa tttcagttta anctcactat ctcccaatt tggatgattca ngtgattcaa 180
attcgaaact tcaagcaatg ttatcgacat tgcaaccgnc gcgttctcna tcactcctct 240
ctcnacnccg gttccaaata tctaaaanca tegtctccgc agcttcttcg angaccatcg 300
acacttccgt tatctctcca acacaatctc aaattctcac cactcgtcgt tcantcctct 360
ccggcgaaac cacagctgtc gaaatcgcaa aatcttacct ttctcggagc cgtctcaatg 420
agcctcagct caanaggttc cctcacgtat cggagaatgt tctcaaagat gcnc 474
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<210> 8468
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-G9

<400> 8468

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tgaagcaatt tttcaatttc gtttgcagaa aaatggcaaa ggataatgaa gcaatcgcca 120
ttaacgatgc ggttcacaag cttcagctct atatgctcga aaataccact gatcagaacc 180
agctcttcgc ggcgaggaag ttaatgtctc gatcagatta cgaagatgtc gtcactgaac 240
gagcaatcgc taagctctgt ggttatactc tttgccagag atttctccct tccgatgttt 300
ctagaagagg gaagtatcgg atttcgttga aggaccataa ngtttacgat ttacaaggag 360
acgagcaaag ttttgctccg ctgggtgttt aaatgataac aaaacgtttt cgggganat 419

<210> 8469
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H1

<400> 8469

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agtgttcaag atctaagtca gaagattagt caatcggatg aagcatcttc aaaccatcag 120
gaaacgggtc tggatgaagct ctacagtgtt ggtgaaagtt gcaacgagaa cattccggaa 180
tgtagttcat ttttccttcc aaaagctgcc attggattta tcacaaacct tgcataaagc 240
ctttttggtt atcagggttc cacttcggtt ataagttcac attcacgttg caatgattct 300
gaagatcaaa gtgactctga ggtccttggt caagaaacag cagaatcata tgacaactct 360
gaaacaaatt caggtgaagt ggatatgacc accacgatgg tcaacatacc tatagaagga 420
aaaggaatta acaaagacac tggattcaac tcntctagaa gaacagcagg aaccaagttg 480
aga 483

<210> 8470
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-H10

<400> 8470

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tgagtcagga tcaagtaatg cagatgaagt gttggttagc ctaactgggg atggggaggt 120
agattctgtt caagatcttc aagcgcaggt tctgtggttg aaggctgaac tctgcaagtt 180
gcttgaggag aaacgatcag ctctacttag agctgaagaa ttggagattg ctctcatgga 240
gatagtaaag gaagacaatc ggcgtcaatt gagtgccaaag gtcgaacagt tagagcaaga 300
aatggccgaa gttcagagac tcctctctga taagcaggaa caagaagggtg caatgctaca 360
ggtcttgatg cgggtggagc aagaacagaa ngtaacagaa gatgcacgaa tatttgctga 420
gcaggatgca aaagcgcaag agatatgcct gctcaagtct tgcaagaaaa atacnaaggg 480

<210> 8471
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-F3

<400> 8471

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ancatcagct tctcaaagct ttagcctcga gagcaaaatt ctctcaagct ttagccatgt 120
ctgcctctgc ttctccctc tctgctttca gatcctaaat cncctcctcn ctgcgtctcc 180
agacccgcnt ccgtctccgt cgnacctcnt tccctcgctt tcaaacttca ctccgannac 240
ctcgtctcta tcttcgntc ctcagccctc aaatgcgcat ccncgcgga gtacncgtcg 300
cgtttcgtaa gaaacgttgc tgtatcttcg gattttgang tggangaaga tgatgatgtt 360
cgctgacggt gacgattcag cgcctgtgga gcgtaactcc ntctcncnat gaccttaagc 420
tctttgttgg taaactttca tttaacgttg atagcgctca acttgctcaa gctcttgaan 480
agccctggaa 490

<210> 8472
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-D3

<400> 8472

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aagtgttctt tttcaatttc ataacttgac agttcttttg gaagacaaaa gggtgtctga  180
tgctgttttc cagtcaacta gtgttgaaat cattgttgat gggttcatag tggatagctt  240
agaagtggat atagaagaag tgaatgttgg tcatcaggaa cctgaagaag aatcggaaaa  300
cagtggtgaa atcagtcttg aagctgtcta cgaagaagat gataatgaag tcgagcagga  360
gaatgaagaa ggaaaggtaa acttanaaaa ttgttgatga atgtgat                    407
  
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<210> 8473
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-D4

<400> 8473

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ggtttttagcc ggtgttgaga caaacttcac agttacatct aaagcagcag atgatgggtga  120
attctctgag ctttacatct tcaaattggac atcactcttg atccctccaa ccacactact  180
catcataaac gtaatcggag tcattgtggg aatatctgat gcgatcagta acggatatga  240
ctcgtggggg cctcttttcg gaagattgtt ctttgccctt tgggtcatcc tccatctata  300
tcctttcctt anaggtctgc ttgggaaaca agacagaatg cctacaatca ntcttctgcn  360
ggtcgatcct tctcgtctta tctttaagct tctttg                    396
  
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<210> 8474
 <211> 413

<212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-019-Q1-E1-E1

<400> 8474

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 ctatcgttga gatcttctga aattaatcag tcttgaagtc tctggagatt gtcttataac 180
 atggactcca tggatattga tcaaagtaac ataggtgaat cgcctcacct tctgctgaga 240
 ccagtaagtc cattggaatc tggatgaagg ttaccttatg ctcttgagaa ttggcctaata 300
 cctgggagat acttggcatt ggaagggttg accgagaatt agcggtaaag gctacttcgt 360
 ggatagatac ttatatcctc ctaagtatct tcccgggttt agatactgga aat 413

<210> 8475
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-E10

<400> 8475

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 aagccaaggt ttttgtgtct ccatggattt cgtacgagcg gagagataat gaagatacag 120
 cttcatanat ggcctaaatc tgtaattgat agacnccgac tctgtgttct cgatgcacct 180
 tttccttgtc aaggcaaatc tgatgtcgan ggcattcttg atcctcctta ttacgagtgg 240
 tttcaattca acaaggaatt caccgagtat acgaatttcg agaaatgttt ggagtacctg 300
 gaggatcgta tgatcaagct tggtcctttc gatgggtctca ttgggttttc ccagggtgca 360
 attttgtctg ggggtttacc aggactgcaa gctaagggaa ttgcatttca naaagtncca 420
 anagattaag tttgntaaaa ccaa 444

<210> 8476
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-E12

<400> 8476

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gtgaaagaag tgttgtatct catatcaaac gcaacttaca gtcatcgggg aaaccactga 180
ttcttttggga atcagctggg aaggcgctct gctgcatctt cagaatccct gatagcctcg 240
cagaggtgaa tcctaaagcc tataagccca aagttgtttc cattggctct tatcattacg 300
gagaaaatca cctccaaatg attcaagcag cacaaagttt cggtttccgg aacctttccg 360
nanacagggc aacanagaaa ggaatggacg aaaacnt 397

<210> 8477
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-019-Q1-E1-E3

<400> 8477

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aatgaagata cagcttcata aatggcctaa atctgtaatt gatagactcg atctccgtgt 120
ttctcgatgc accttttctt tgtcaaggca aatctgatgt cgaaggcatc ttgatacctc 180
cttattacga gtggtttcaa ttcaacaagg aattcaccga gtatacgaat ttcgagaaat 240
gtttggagta cctggaggat cgtatgatca agcttgggtc ttctgatggg ctcatggggg 300
tttcccaggg tgcaattttg tctgggggtt taccaggact gcaagctaag ggaattgcat 360
ttcagaaagt accaaagatt aagttgttat aaa 393

<210> 8478
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-E5

<400> 8478

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 aagtctcagc tgaagcacgt ttttggaanaa cccagatttg acgggtacta agaagctgtg 180
 gaggatctat atttgaaaga agagaacaag gatgcgtagg tggatctgtt gtggggataa 240
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 ngctcttccc ancgaggttc ctcccttgtc tgtggatgag gttnaagann gnantgacag 420
 ttttggtatc angtcnctga ttggtggggg gtcttacg 458

<210> 8479
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-F1
 <400> 8479

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 caatcaccca tccgcgcgcg ttaccgctcc ctccgcgcgc gtctctcctt ctccgtcatt 180
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 gtgtcatctg ggacagatat tggaaagaga gcaaaaga 398

<210> 8480
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-F2
 <400> 8480

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gtncgcgnc a cngctgaatc caagttctct gctcttggtg ccgattctct cgacaccgtg 120
gagatagtga tggcggttga ggaaaagttt aacataagtg tggaggaatc tgatgctcaa 180
aacattacga ccatccaaga ggcggctgat ttgatagagg accttgttca aaagaaaccc 240
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ggtgttgaca atgagacaac tttggtacnt ta 392

<210> 8481
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-F3

<400> 8481

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cctttcttag gaaccaagaa ccagagaaaag cttatacaga gttcaagata gctttggaac 180
ttgcccagag tctcaaagac ccaccgaag aaaagaaggc tgcaagaggc ctaggcgcct 240
cgctgcagcg ccaagggaag tatagggaag ccatacagta tcaactcatg gttctagcca 300
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ctgttatacc ganctgggaa atttcca 387

<210> 8482
<211> 339
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-F6

<400> 8482

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cgattgggtt tttcaacctc agcgtcaccg tcgagatttt gtctcaatgt tccggtgggtg 120
aagcaggggtt ggaagaattc gtgccggaga agggttttta gagcaatggt gcaggaaaca 180

gttcaaggat ctcttttggg ttacgccaga gaaatggagc gcctttctgc taaggaatcg 240
ctacttctcg ctttgaagga tgctggaggc tttgaggctt tagttacagg gaaaacaact 300
aatatgcaaa ggatcgatgt taatgagagg attacnagt 339

<210> 8483
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-F9
<400> 8483

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tctcttccca tcattgggtca tcttcatctt ctctcttttg cttcaatcca caagtgtttt 180
caaaaaatct catccaaata cggacctttt ctccatcttc gcattttcca tgtccccatt 240
gttcttgtat cctctgcctc aacggcttac gatatcttca agacaaacga cattaatgtc 300
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cgncccaa 429

<210> 8484
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G1
<400> 8484

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ttcctatgac aagacttcgc aaacgggtgg caactagggt gaaagactct cagaacactt 180
ttgcgttgct gacaactttc aatgaanttg atatgactaa tctgatgaag ctccgatctc 240
agtacaagga tgcttttctt gaaaagcacg gagtgaagtt ggggcttatg tctggtttca 300

ttaaggctgc tgtagtgcc ctccagcacc aacctgtagt aaatgcagtt atcgatggag 360
atgatatcat ttacagagac tacgtggata tcagtatcgc tgtaggtacc tctaagggtc 420
ctttagttc caagtcataa agagatgct 449

<210> 8485
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G10

<400> 8485

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ctcctaaccg aagcccactt attgggtatg gtaacaacta tggagtagtc cctaataagg 120
cttctgctaa tagctacttc aatagttttc ctcttggtta taataataat aatctaggct 180
ctgctggccg gtttagtcct attggtagcg gtagaaatgc tttctctagc ttcgggctcg 240
gattgaatca agaactgaat ttgaattcaa actttgatgg aaacactctt gggatatagcc 300
ggatccctgg caaccaatac ttcaacagtg cttcaccaaa ccgttacaac tctccaattg 360
ggtacaacag angagactct gcttanaaac ccgagcaaca ganacttgtg gggaaacaga 420
agcgattcct ctggtcaagg ttggaanttg gga 453

<210> 8486
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-D12

<400> 8486

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antncncaa cgtcctccgc cgccgtggtg gacttatatc tctgcgtttc acgacctgcc 120
gccaccgccg gcgatagggt tcaatgatga attaaggcgt tggccagaga gagaagagag 180
attgagatct gtcgatatgc tagcgaagaa tcggctgccg ggaagcggcc acactactcc 240
gtctcctccg gcattctctc gccgttctcc tcgttatcgt caccgtcggc ctaaagccgc 300

cgccggtagt agatttccta cggttcaacc aagtcggacc ctgctcctc gcctctcgtg 360
gatcctctta tcggttcttc tccgtcgtca ggggattttc ttattcgtc ctctaatacta 420
tatctcntgt atgctgctta acatgggaaa cgtctcctt gaagttgttc cnaacaat 478

<210> 8487
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G3
<400> 8487

gtcgtantat cactttgcat ctgagaagtc ttggtgggag tctctatcgt cgtcgtatcc 60
aaagctcttc aatggagacc gatctcaagt caacctttct caacgtntat tctgttctca 120
agtctgacct tcttcatgac ccttccttcg aattcaccaa tgaatctcgt ctctgggttg 180
atcggatgct ggactacaat gtacgtggag ggaaactcaa tcgggggtctc tctgttggtg 240
acagtttcaa acttttgaag caaggcaatg atttgactga gcaagaaggt ttccccccct 300
tgtgctctc gggttggtgc attgaaatgg ctccaagcct aaattncctt gggccttgaa 360
tgataataan ggganaannc cggttaancc gccgttgggn aaaccttggc g 411

<210> 8488
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-A3
<400> 8488

tcngnaggtc tgggtcgccn cacgcgtccg angactagtt ctagatcgcg agcggccgcc 60
cttttttttt ttttttttg caggtaata tttttttatt tcatagaagt tcgtatcagt 120
cgatacatat cttaaagtaa gacaaccaa anaaaaaaga caacacactg attattgac 180
cgacgtggac tcatcatatc accatgcaa gatcatagat gtgttaaaat tttctgcgt 240
acttaactta gtgttaagta aactagttaa aaacatgata agtcaaacc acaatgcacc 300
agcccgtta agcatgggaa tcaaggatcc gtttaagatgt agactcatga cctcgttggc 360

tccaccgacc aactctccac caatgaaaac gcccggaact gcggggctac acccgagccg 420
 caacaacgcc tgctcgattt cctcc 446

<210> 8489
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-A5

<400> 8489

accccccggt ccacaccatc ttcgnggcgc cgacccacgc gtnaanatgc ctgtctttga 60
 tcttttggag aggatgatgg ttaacaaatt tggttttaag catggagttg ttctgaggtt 120
 tttcaactcga actatttatg tcgcatttac attgttcatt ggagtgaagt tccccctctt 180
 tggagacett ctaggcttct ttggaggatt tggttttgca cctacttctt tcttcctccc 240
 aagtataatg tggcttatca tcaagaaacc aaggagattc agcgtcacct ggttcgtcaa 300
 ttggatctcc attatcgtag gagtgttcatt aatgttagcg tcaacaattg gagggttgag 360
 gaacatcatt gcagattctt ctacttatag tttctacgct taatattgaa tagatcttgt 420
 aactaaagc atgaatcatt ggatcatcta aattaa 456

<210> 8490
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-A6

<400> 8490

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 aaaagaagga cccattttta tctctctctt tgttttggtt tctcgaatct gaaggagtaa 120
 agttaaagc tttgaaggag agaatcaatg gcgggttaca gagcagatga tgaatacgat 180
 tacctattca aggttggtct gataggtgat tcaggtgtgg gcaaattccan tttgctttca 240
 cgattcacga agaacgagtt tagtctcgag tcaaaatcca cgatcggggg cgaagttcgc 300
 gactcggagt ttgaatgttg atgataaagt catcaaagct cagattttggg atactgctgg 360

tcaagaanng taccgaagcc atcactagtg ctnntancca ngaactgttn gaacgcntcc 420
 ntgtcnacga agttacccgn gactcaacat ttga 454

<210> 8491
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B10
 <400> 8491

anactctata agtgagtcgt antattgtct tccttttggg tgtaataatc ctaagcttct 60
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 atccaactcc gacgacaaaa gcttcgataa aaccaggtcc tattgagcat ggaannnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna cagcaatccc 240
 aagacggtgg ataacaccaa atcttttctc tgatttattt gccccgtgaa tgtgatctac 300
 gcactgtttg tagttataat tcccacgttt tttttcttct ttctttatct ctcttttgta 360
 ctaacattgt cttgtcgtcg ctacgttaat taatttcctt tanctgccag ctcgtgtggt 420
 agtaangtcc aatttgagg 439

<210> 8492
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B11
 <400> 8492

cctanaactt gagtcccttt aaagangaag aagagctgtt gttgggtttt tgagggtaaa 60
 aagaaagana acccaatttc cgatttggga gggatanaag accaaagaaa gaaagacaag 120
 ctcccgatgg gctgatcctg aaactaagaa agctattaag acaagaggag aatgcaagag 180
 ctcatggctc gacaaggcat gcagggtgaa cagggaatc agcagaatcc agagcaagag 240
 aaacagcagg aagatgctaa aagggaagct gatgaacgta ggcaaatgat gcttagtcaa 300
 gtattgtctt ctcaagcccg agagagaatt gctcgaattg ctctgggtgaa acctgagaaa 360

gctagangtg tggaggatgt tattttgagg gctgctcaga tgggacagat agttgagaaa 420
 gtttctgaag aacggcttat aacactgttt gaacaaatta acngccc 467

<210> 8493
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B12

<400> 8493

actgtcctca gnaagcacag gncnancnaa cgcggncca cncangcctc cacaagnnac 60
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 ctttggtcag cttacttgaa atctccattg ctttcttttg ttctcttata tttcgaattt 180
 tcctgatcag caagaaacca caccgttcat ttctcaciaa ctggccgctc ctgggcatgc 240
 ttccgggttt acttaccgtg ctccctcgag ttacgactt tataaccgag gttcttgagg 300
 acggcaactt aaactatctt ttcataggcc cttttttagg gggcatcgac atgttgttca 360
 ncgttgatcc tgctaataac catcacatca tgagctcaaa ctttgcgaaat tacccgaaag 420
 gaaccgaatt caagaagtta ttgacgttt tgggaaatng gatttcaacg cngattcaaa 480
 tt 482

<210> 8494
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B3

<400> 8494

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 ttttaagaact ttttttaaatt ttattatgtg tcttgataat agagccatag aaaaaaaatt 120
 gtttggttaa tgtcattttc tttttgagta aagaaacttt cttctttgca acttgaaaat 180
 tttcgatttc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnntt tattttaggg ttttggtgat tttctttggt cattttgccg tcgtctcttt 300

ctctttctct tgtgaagaaa aagaagaaaa atgaaacttc tgggttttgtt cttcttgctg 360
 tttaatctgt ttatgttttc gttttctcgg aaacttttaa ccgaga 406

<210> 8495
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B6

<400> 8495

agtcgnatta ccaggaagat ggaagtcccg tactgcattg tcaagggcaa atctcgtctt 60
 ggagcgggtg ttcaccagaa gactgcttct tgcttggtt tgaccactgt cangaacgag 120
 gacaagctag agttcagcaa aatcctggaa gctatcaagg ccaacttcaa tgacaagtac 180
 gaggagtaca ggaagaaatg gggaggaggc ataatgggat ctaagtctca ggcaaagacc 240
 aaggcaaagg aaagagttat tgcaaaggag gctgccccaa ggatgaatta agangctagc 300
 ttcttttggt tgtggtttgc nccggantcg taaaacttaa taaagctttt ggttaaccgg 360
 gtccgaann tactcctttt taatngaaac ccttaataag ggaa 404

<210> 8496
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-B8

<400> 8496

ttcatntata tgtaggggtt agctctgggt ctaactctgg tcggagctcc gaccaaagcc 60
 caaggacctg tttgcggtgc aggctgcct gacaaattta gcagattaaa cttccctgaa 120
 ggcttcattt ggggaaccgc aacagcagca tttcaggtt aaggagctgt taatgaaggt 180
 tgcagaggtc caagcatgtg ggatactttc actaagaagt tcccacatag atgtgaaaat 240
 cataacgctg atgttgctgt ggatttctat catcgttaca aggaagatat ccagttgatg 300
 aaagacctta aactgatgc ttttagactt tctattgcgt ggccaagaa tattccccca 360
 tggaaggatg tctaaggga taagcaaan 389

<210> 8497
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-C1

<400> 8497

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 ctcagctttt gtggtgaata ttgaagaaag tttctctgat atttggttaga tggaagaaga 120
 ttgctgagttt cgacattggg atgagttgat tccagatgct cttggtttaa tcttttagcca 180
 cttacctctt caagaagtac taacagtggg gcctagagtt tgcaaagcat ggaacagagc 240
 tgttactgga ccttattggt ggcaagagat tgacattgag ctgtggagta accgttttca 300
 ccagtctgat catcttgacc ggatgcttga gatgttgatc cctagaagcg ctggctcttt 360
 gcgaaaactc tccgttactg gccttcgaaa tgactctatc ttctccttca ttgcacaaca 420
 tgctggttca cttaagacct tgaaggtg 448

<210> 8498
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-C12

<400> 8498

acacagaagc aagacctaag aagaggaagc tgcagcagca gcagancttg ttcaccagtc 60
 gctatcttct tctcaaaacg agaacaatgt cttcaatgaa atccgtctcg gctttggaca 120
 atgtagtggt gaagtcacca aacgatcgga gggtatacag agtgattgaa ttggagaatg 180
 gattgtgtgc tctgctcatt cacgatccag atatttacct cgaaggntct gttccggatc 240
 aaatnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnacga tgaaattaaa aggaaaaggg atttcagacc aaaaagggtg ctgccnctat 420
 gt 448

<210> 8499
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-C2

<400> 8499

gtaggtcaga cntccggggc cnccacgcgt tcgnatcctc tctagccatg gccgtctgta 60
 actgcttcct ccaagctcca ccactctctc gcatactcct accggtttta tctcgccgag 120
 ctactactct ctctgccggt tatggtcggc tcaaateccac ggtcacgttc tgctctactg 180
 tgaaccggac cagtcctctg acatcttcgg tccgcgcaga agtaaagcgc gtctcgcgta 240
 aagacgataa agtagcttca gctactgatg ttcaatttga gacgcctttg aagattgttg 300
 agtatccgga tctatacta cggggctaag aacaagagga ttgatatttt tgacgaagaa 360
 tttaaagaac ttggttgatg ctaagtttga tggtatgtac aaaacggatg gcattggggc 420
 tctcaacaac acaaagttag gtctca 446

<210> 8500
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-C5

<400> 8500

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 ctcaacaaca aatcgccggt ttaccaaate aacagagtta gattcggatc ttgcgtgcaa 120
 acagtcagca agaaattctt gaaaatctcg gcgagctctc agagcgcttc agcggcggtc 180
 aatgtcacgg cggatgcttc gattccgaaa gagatgaagg cgtgggtgta tagtgactac 240
 ggcggagttg atgttctgaa gctggagagt aacattgttg tgccggagat taaagaagat 300
 caggttttga ttaaagttgt tgcggcggct cttaatcccg tcgatgctaa gagacggcaa 360
 gggaaattta aagccactga ttngcctctc cgact 395

<210> 8501

<211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-D11

<400> 8501

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gaccaaagaa gcaactgtaa accaaagaga ggctgataag acaaagcttt tccttcataa 120
aatcccacac gatgttccat ctcaagagtt acatggagtt cttaacgggg atttcacact 180
cgatgttaag ccaccaaaaa gaaaaggagg ttactacaat gcagtcgttg attttaatag 240
tccagaagaa gcaaatgaag catttgaaaa tgtggaagga gacgtagtta aggataagac 300
gggtttgcc aaaaaaatgg ttgtattcaa gctgagttct ggatcaggag ttagtttata 360
tgttcgtaaa atggttcatg atgattctcc ggggtgaaat ctctacaacc aagagagctc 420
gaacagagga gagcaatatg agttctaaga gacngaaga 459
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<210> 8502
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-A10

<400> 8502

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ccgcgaggtt ggggagttgt gggaatcggg tgtgaaagaa gttacgcttt tagggcaaaa 120
tgtgaacagc tataacgatg attcagctga tctgagtcg ggtgctaact gggaatacag 180
tgagggattc tcgagccggt gtaaagttaa aaacatgggt ttgcgatttg ctgatctctt 240
ggaccgactc tctgtagagt ttccagagat gcgggttagg tttacatcgc ctcatcctaa 300
agattaccct gacgagttgc tgtatttgat gagagataga cataatatct gcaatctcat 360
ccatcttcct gcacaatctg gtaatagcag aatactagaa caaatgcgta naggttacac 420
cagagaacct aattggatcn tggttaaaaag attccgagta atataccaaa tgtggc 476
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<210> 8503

<211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-B6

<400> 8503

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gggcgggata ggtggtgtcc atagacatgc caaccattcg atggacatat catctgatct 120
tactgcactt gggaggactc caatagcagt gatatcagca ggcgttaaata caataacttga 180
tattccaaag actcttgaat atttggaaac tcaagaagtg tatgttgctg catacaagag 240
cgatgagttt ccagcatttt tcacagaaaa aagtggctgt aaggcacctt cccgtgtaaa 300
tagccctgaa gactgtgcta gagtaataga tgcaaactg aagctaaacc gtcaggcggg 360
gattccattt gccattccaa ttccganaca ncaatcance gctgggaaat ctaatcgaat 420
caacnaac 428
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<210> 8504
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-B7

<400> 8504

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cctcttctac cattttctcc catccttcca tctcctctac catctcttcc tccagaattc 120
gcagctccag tgtttccctc cttaccggac gcattaacct gcccctctct ttctctcgcg 180
tctctctatc tcttaaaacc aaaaccacc ttaaaaaatc cccctttgtc tccttcggtt 240
cccagacttc ggattgggct gaagaagggtg gagaaggaag cgtcgctgtt gaggagaccg 300
agaacagttt agagtcacaa gatgtgagcg angganatga gagcgaanga gatgagagcg 360
anggagatgt gagcgaatga natganangc naaggagatt nagccaaagg actgtgagcg 420
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<210> 8505
 <211> 434
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-018-Q1-E1-C2

<400> 8505

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ctcaaccctc atatcgccgt gttttctcgc tctagtaccg cgagctcgga cgaaccagga 180
agcaatccgt taatctagaa gcggtgttga gaagatgacg attacatcaa atatctctgt 240
acagaacgat aacctcgttg ttcaagggaa gactatcctt accanaatcc ctgacaacat 300
tatcctaact ccggttaccg ggtaatggat tccgtttccg gggttcattta tangngcga 360
cgtttgaaca aagcaagagt cttcaagtgt tccccatcgg tgtattgggn gggctcttcgg 420
ttcaagtntg tttc 434

<210> 8506

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-018-Q1-E1-C3

<400> 8506

ttttgacctg ggcntaccg tccanaattc cgggggcccg agcttcanca gnaacgaan 60
aacgaactct atccccgtcg tctcacgccg tgctaagatc ctcatgcagc tccacgcgtt 120
accctgagct ctgtatctct gccgtggtaa ctgccggcgg cgtcgagcta acgtcgcaaa 180
aagatgtcat cgaggcatcg gtgaacctaa caataaccgc cgtggagcac aattacttca 240
ccgtgaagaa gctgatcaag aagaggaaag gactgacgcc gcgcgagaag acggcgcttc 300
atgactgttt ggagactatt gatgagacgc tggacgagct ccatgaaacg gtggaagatc 360
tccatttgta tccaaccaa aaaactctcc gggaacacgc cggagatctc aaaacactaa 420
ntaagctccg ccattacaaa ccaggagact tgtctccacn gcttctctca tgacgangcc 480
cataa 485

<210> 8507

<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-C4

<400> 8507

gaaaaccaat ttcttcttct tcttctctca ggtttgagtc tgaggcatca caacagataa 60
agtcttgaac ttgatcaag aattctaaac ggagtttttg ctcttctcgt cggtgaaaga 120
aaaatcgaga tgggttcaac tccgttttgc tactcnatca atccatctcc atcaaagctt 180
gatttcacga ngacccatgt gtttagtcct gtttctaaac agttttactt agatttatca 240
tcgntttccg gaaaaccggg aagagtanc tgggttttagga gccgtcgagc tttgctcgga 300
gtaaaggcgg cgacggcggt anttnagaa ngggnganaa gagannacgc cggtgacgga 360
gaaccagcng anaatcnaag ggnntaagtt gccggacgtg gnaatctggn nggaatgggg 420
tttggttaa gcnggccaaa aacg 444

<210> 8508
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-D12

<400> 8508

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tagtccggaa caagaccacg aaggaagatc ggagccttcg tcgttgaacc aaggggagat 120
tttaaaaaca cttgctacgg tggagaagga ttcgcaggca atncggaga gcttttcgtc 180
tctctttggt tccctccgat caactcttct tgaggctact ggtagctcgg ttgatcacat 240
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agggaaaccg tacatcaact cttgcctcag attnancgan gaaattaaan gccgttcaga 360
atttngccgc tccgttaang cnccttagga anaaacgtng atgttccttg aaaccgggtg 420
ttaaacnagc tt 432

<210> 8509

<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-F12

<400> 8509

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nnganctnaa attgatgtgg ttcggccggt ggaggcagat tcggcggcgg aaattagtcc 120
ggaacaagac cacgaaggaa gatcggagcc ttcgtcgttg aaccaagggg agattttaaa 180
aacacttgct acggtggaga aggattcgca ggcaatcgcg gagagctttt cgtctctctt 240
tgtttccctc cgatcaactc tttctgaggc tactggtagc tcggttgatc acatggcttg 300
ctttgganag gcancgggac ngcttcagga aaatgctcta gatgcagcca ccaaagggaa 360
ccggtacatc aactcttgcc tcagattaaa cgaggaaatt aaaggcgttg anaatttggc 420
ggctccgtta aagcacctga agaaaaactt gaanttcctt gacaccngct nttaaacaaa 480
cctcncccg cct 493

<210> 8510
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-F2

<400> 8510

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ttgatacagc ttctcccggt aataatgtcg goggatttct ccgtcgcact ctaaattctt 120
taggattttg tttctcttgc tcatctgtaa ctcaggcaag ctctcgttgg attgttttag 180
gcatgaatga gtcagtccct gattctgtgg aagacaacgg taattcagtc cctgcaaattg 240
gattattaag tattgcctga taatgatcat gaggaaggag gtgttggatc acctcaacga 300
tcgaacagcg ttgaatctcc tggtggatca gtacattcta cgaggaaagg ttttggtttg 360
aagaaatgga gaaggatnaa aaagagatgg tcctgtnaga anatgaggct gctcctgttg 420
atgatggtag taagttacng aaaaccttcg aatggctggt tttggtnaa 469

<210> 8511
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-F3

<400> 8511

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aaacaacttt agctcagaca acatcgtatc agaaagtggg gagaaagccc caaatcttgt  120
ctacaaaggg cgacttcaga accgtcgttg gatcgtctgc aagaagttta ctaagatggc  180
ttggcctgag cctaaacaat ttgcggaaga agcatggggg gtgggggaaat tgaggcataa  240
tcgattagcg aatttgattg gatattgttg tgatggagat gagaggcttc ttgttgctga  300
gttcatgcct aatgatactc ttgctaagca tttgttccat tgggaaaatc agacaattga  360
gtgggctatg aggttgcgag taggatatta catagctgag gctttggatt antgtagtac  420
tgaaggctct cc                                                         432
  
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<210> 8512
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-G3

<400> 8512

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naatttttcc tgttcnttct ctctccacca cataaaaaaa aaaacctagc ttgttcccct   60
caactcactg attgaactgc ttgattttcg attgatcatc tgggtgggtt tgaatcgaag  120
agtattgttg tattagtggc tgggtggctct ccaaaagagt aaggccggag agagaaatca  180
atggcctctg gcggcggaaga ggcggataaa tcacttgaaa tcgggtccgg gaccgcggat  240
cccaaaatag gcggtactgg gagcaggagc gccggagaac aacgatactt canggcagat  300
aactgnatt tcagtaaagt ggatttgcac atgggtcaaa cctctactag cagcgtcctc  360
accaattccg cttccacgag cgctccggca cggggcgatg caggaatggg agattgacct  420
ctccaaactc                                                         430
  
```

<210> 8513
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-G4

<400> 8513

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 cgagaatcct ctctcctact tagtctccat tgatgggttc aacttctca tcgactgtgg 120
 ttggaacgat ctcttcgaca catcgctcct cgaacctctc tccaggggtg cttctactat 180
 agatgcagtt ttgctttctc atccagatac acttcacatt ggtgctcttc cttatgctat 240
 gaagcagctt ggactctccg ctctgtttta tgctactgag cctgttcata gattaggtct 300
 ccttacaatg tatgatcagt ttttgtccag gaagcaagta tcccgacttt gatctgttta 360
 cactgggatg acatagattc tgctttccan gaatgtga 398

<210> 8514
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-H10

<400> 8514

ctttagccgg nccggtaccg anccanaaat tcgcgggtcg acccacgcgt ccgnccacgc 60
 gtccgaaaac attggaaaaa ccctaattcc tagtggtgcg aatcactttt cattgcagct 120
 ttgaacttca gtctgtgaat ttccaacagc aatgacaact ccagcaaaaa agagactgat 180
 gtgggatttc aagagactgc agaaagatcc tctgtggga ataagtggag ctccacaaga 240
 taacaatatc atgcattgga atgctctcat ctttggacct gaggacactc catgggatgg 300
 aggtactttc aagttgactc ttcacttcac cgaggattat ccgaacaaac ccccgattgt 360
 tcggtttgtt tcacggatgt ttcattccaa catttatgct gatggaagca tttgcttgga 420
 tatcttgcaa aaccagtgga gccccatcta cgacgttgct gcaagttctc aaatcaattc 480
 aatccttggc ccg 493

<210> 8515
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-H7

<400> 8515

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gggaaaagct cctaaaggta ctaaaaccaa ttggatcatg catgagtatc gtctcattga   60
accttctcgt agaaacggaa gcactaagtt ggatgattgg gttctatgtc gaatatacaa  120
gaagcaatca agtgcacaaa aacaagttta cgataatgga atcgcgaaatg ctagagaatt  180
cagcaacaac ggtacttcgt ccacgacgtc gtcttcttct cactttgaag acgttcttga  240
ttcgtttcat caagagatcg acaacagaaa tttccagttt tcnaacccaa accgcatctc  300
gtcgctcana cgggacttaa ccgaacagaa gaccgggttc caangtcttg cgggatactc  360
taacttcgat tggggctaata ttttgcccgg taatgtngng cngaanaccc cgggtancggg  420
actccg                                           426
  
```

<210> 8516
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-A1

<400> 8516

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aatccagaac tcattcattcc attttatgag gcttttaatg ggaagaagtg ggagaagtgc   60
aacagtgaga aagtagcttc attggcatat gctcgggatac aaggaaaatc tgcccttata  120
gcccattttc agaactcaag cttgatgaat gaagatatgc gttgtcgtcc aattatcttc  180
gacactccca acaatccaga gtctgttgaa cagggttggtg atgaggaatc taagaatatg  240
gacctcctcg actctcagct cagtgatgat gatggcagag agagaagctg acacaggagt  300
tgagagacga ctcaatgttg tgataatggc tgtttntttt ctttctaagt actaatTTTT  360
tnccgtacat nttgggtgaa anggcagaag ttaacggatg na                               402
  
```

<210> 8517

<211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-B2

<400> 8517

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agcggccctt gaaaatccgg aggaccgagt gccgctcacg cccggtcgta ctcataaccg 120
catcaggtct ccaaggtgaa cagcctctgg tcgatggaac aatgtangca anggaagtcg 180
gcaaaatgga tccgtaactt cgggaaaagg attggetctg agggctgggc tcgggggtcc 240
cagttccgaa cccgtcggct gtcancggac tgctcnagct gcntccgagg cgagagcggg 300
tcgccgcggt gccggccggg ggacggactg ngaacngctc tctccggaag cnttccncng 360
gcgtcgaaac ttcagctcag aaattggtta ctgataaggg gnantcggac tgtttaatta 420
aancananca ntgcnatggt cctgcggat gnaacgcaat gtgatttctg cccagtgccc 480
```

<210> 8518
 <211> 357
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-H6

<400> 8518

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ggagattggg aagcaagcca gaagaaaatg caacggaaga agaatcaagc tgaaggaaat 60
aatactatga ttttaagaca cacatagact ttttaatact agtgaagaga gttttattga 120
gagaagctct acttcatgtt ttgctgctta gacataagca ggctacttac atatacaagc 180
ggctaagaat acgagacctt ttgctagtaa tgtgaaaaga ggttgaagat taaaaataac 240
attacgcaa gaatgatatc ttgagcggtt tatttcaatg gnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggcg 357
```

<210> 8519
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-H7

<400> 8519

gacatTTTTct agctgtgttc cttttctcag caactctctc atcttgctc gtagtctcgg 60
 ctctgctcgt ggaagggaaa gtctcttggt tcgactgtcc caatgattat gattattcag 120
 gaatcacggt cggagttagc tgtagccaca caaacacgcg gttcactgta acaactgaca 180
 agaaggggtga cttcatatcg gaacttcctt caaagatcga atcaaactgt gaagcagaac 240
 tccaaggcag cgtcaagcaa ctttatgctt ccaagaataa cgtaaagtcg aagattgtta 300
 agcttgggcg gtgacaaata tggctctctt tccaagttgt tcttcttgaa atcatgtcca 360
 angaagcttc ggatcttttag ttcgtccaag accgttgatt tacaagttcc tcccganttg 420
 ggggctgggc tc 432

<210> 8520
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-H8

<400> 8520

gcttcgataa ttccgaggag cttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnattgcgat taacgaaatt cgaaaaatgt ctcgtcttct ccaaacaccc 120
 ttcttacctt cagtttccct cccacaaaa acacgatctt ccgttacggg tttccgggta 180
 aagcccagaa tcatcccaat tcaagcaaag atccgagaaa tcttcatgcc tgcactaagt 240
 tccacgatga ccgaaggcaa aatcgtctct tgggttaa at caggaaggcg ataaactcaa 300
 caaaggagag agtgttggtg ttgttgaatc tgataaagct gatatgggat gttgagactt 360

<210> 8521
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-A10

<400> 8521

antgttattc gccgcccgt ccaaaanacc gggtcgaccc acgcgtccga tcaaaacccat 60
gacgagtcac cacgcgatcg aagtgacgaa gacgggtgctg gaagtagccg acgtagcatg 120
gaccgcggtg gaaacttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcaac 180
gaatccaatt tctgatccac gagatcntga attagaagct cttcgtcaag agaatcgctg 240
tctcaggact ttgcttgaat cgaatcttaa actctttgag actctcgctg aatctgctgc 300
gttctctcat gattgcceta ncgaccteta tgctaggctt gtancgatgg ttacctcaag 360
atgatttctt ggctagatta gagaatctaa gacaangctt tatccaatgg aactcaataa 420
tcaant 426

<210> 8522
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-A11

<400> 8522

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tcttcaatga aaaaaataat ctgagaaaac gcaaaagaag aacggagcaa aatcctcaga 120
atcgtcgccg gagaatcttt acgtttcgac ataatcggaa ttttggaatt gataattccg 180
atggaagggg ttatcacatg tttccatacg aaatgcgctt ctcttccaat tcgttctttc 240
ccaatttcta gggtttcttc acttcctcgg tggaggaaca ataaattgat ctcttcatcg 300
cgatcggttc atctaagaag cttgtgcgtt tcgagctcag atactttagt cgcgagcggc 360
tcaccaaagg aagacgagag gcagagcaaa gtatcgagca agaaggaagg agatgactcc 420
gaaggattga agttttggga tgggataaaa atgggggtgcc aaccttgcn ag 472

<210> 8523
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-A2

<400> 8523

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 cgggctaatac tgataactaa ggtacttgaa gaagtaagcc ccaaagctcc tgctagatta 120
 ttttttagcgt ttgtgttgca gatttgccgt attccttagg cttttctgtg tcaaaaaagc 180
 gtctatatct ctcttttcta tgtatgtttt gctttgagct gtgtttgttg atggaatcga 240
 gttggatatca acgtttgttt atgtggcaat gattataaac ntaccgcgcg ttctgagatt 300
 attcaatgaa ntanatacgc ctgaaacgcc agttctgcct canataaatc cttgntcgaa 360
 aaanctggtn tcctaaccna acccttcaat ggcaatttgg cnttcctccg g 411

<210> 8524
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-A3
 <400> 8524

attagcctgc cggtatcgaa ccaacacngg toganccacg cgtccgncca agcgtccgtg 60
 agaacgaacc tacgtcaaga agtggaggca aagccaaggc agtgcaacaa atacgaaagg 120
 gtcgtctcta caagactatg gccatgattg gagatgggtgc tactgatctc gaagcacgta 180
 aacctgggtgg cgcagatttg ttcatatgct acgctggagt tcagcttcgt gaagccgttg 240
 cagcaaatgc agactggctt atctttaagt ttgaatctct cataaactca ttggactaaa 300
 agcctctata gtgattattc tcgtttagct aaactcatta ttcatatctc caaatttgta 360
 cccttttatg aatttgatc aaataccaat ntgaatcaac aaatgttttt gccaaaaaaa 420
 aanaanaagg gggggccgcn cctaanagga tcaagcctta cgtncgccgt gcancgacgt 480
 cataanctct tcca 494

<210> 8525
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-A4
 <400> 8525

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 gaagaagaaa tgttttgagt tgcatggat gtaatagcta ctacaactac tatagtatcc 120
 gacttggatt cagcacaacc cgaaatcgaa gctccgatcc ggatccagcc cggaagcct 180
 atttctttct caaacggcaa acgtgccac caccatcatc ttgcatctga agcggttgcg 240
 gttgcgactt ataaagaatg tctaaagaat cagcgagcag gtatcggcgg tcacgcttta 300
 gacggatgcg gcgagtttat gccgtcaccg tcgtttaact ccaatgaccc cgcttcacta 360
 acgtgcgctg cttgtggttg ccaccgtaac ttccaccgcc gtgaaggang atc 413

<210> 8526
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-A6
 <400> 8526

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 ttaaagcttt aacttaagaa agcttgaacc tttctcttcc aaccacatct tcttctttt 120
 tatcctctag ctcaacttag aaagaataga ataaagtggc aaaaccgaaa gtgaaccaac 180
 ttgtagtaaa ttaatagtta tgggttcgaa acctaatgcc atgaagaatg tgggtgctat 240
 ggcggcagtt tctgctctgt tcttctaag ggttcttgtt tgctctgttn ctggntctgt 300
 ctctnagat agcagagcca ntacatcaat ggcaaaagag gaatcctaac ccnnggatca 360
 tcacaacccc agaangtacc cctgaaatgt gggcaagatn naattcgga aaagcaangg 420
 gaag 424

<210> 8527
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-A9
 <400> 8527

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atggaaggtg gtcgtggtgg tggagatggc aatttcttac caaactctaa ctttggtgta 120
 ttctctgact ccgctatgga tatggatttc atggatgaac tcttggttga tggatggtgg 180
 cttgagacaa ctgatggtaa gagcttgaag cagaccatgg gacaacaagt atccgattct 240
 actaccatga atgacaacaa caacaactcg tacctttacg gttatcaata tgctgagaac 300
 ctttcacaag atcatatctc caacgaagaa acagggagaa agtttcctcc aataccaccg 360
 ggctttctca aagatcgang atcctccaat caagtacctt ttgaccantc tgcagttaat 420
 gagttctgca caagcacaaa aa 442

<210> 8528
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-B11
 <400> 8528

ctgttacttt gccggcccg tccanactaa ccgggtcgan ncacgcgtcc gctcgaatcg 60
 ctggaacatt tggttacatg gtcccggagt acgccatgag aggccatttg acagataaag 120
 ctgacgttta cagctttgggt atagtagctc tagagattgt tcatggaaga agcaataaaa 180
 tagaacgata caaaaacaat accttctatc ttattgactg ggtggagggt ttgagagaga 240
 agaataatct gttggaactg gtggatccaa gactaggatc agaataataac agagaagaag 300
 caatgaccat gatccaaatt gcgataatgt gtacaagctc agaaccttgt gagagaccgt 360
 caatgtcaga agtgggtgaag atgttagaag gtaagaagat ggtggagggt gagaaacttg 420
 aagaagcttc agtccataag agaaacnaag agacttnaaa acatgaacac gattgaaaat 480
 tctacgaaa 489

<210> 8529
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-B12
 <400> 8529

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 cacttctca cacacttctt ctgagtttct ctacttaggt acttttagtaa actctcgaag 180
 caatggttta gagcagttac aagaggaggt tgttgacctt aaaggtgagc tctttatgct 240
 tcgtctccag aaatcggcaa ggaatgagtt caaatctagc gactttcgtc gtatgaagaa 300
 acaagttgct cggatgttga cggttaaaag agagagggag atnaaagaag ggataaagaa 360
 aaggttgctn aagaaacttg acaagacaat ggggaagaaa agcatagtac aangaacaac 420
 tccgtctctg aaanaa 436

<210> 8530
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-B2
 <400> 8530

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 ttggagaggc aaggagata ctgacgtttg ccaaggcaca gacactcaag cgtgccccca 120
 atatgaaaca cctttaatg tgccttgacg ctattgaagt aggtattggt tctgggtccaa 180
 gggctggttt agaaaaggaa gctgaagtcg cctcacaagt ggtaaaactg gataccacca 240
 aaggcttgat ccacgtcttc ttttctcagc gaggaactgc taaggttcct ggagttactg 300
 atcgtgggtt ggtgccaagg aagattaaga aggtagccat aattggaggc nggttgatgg 360
 gatntggaat aactactgct tgatcctaaa taactatcca ang 403

<210> 8531
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-B3
 <400> 8531

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nnnnnnnnnn nnnnnnnnnn nnnnnntctt aacaaaaaaa tgtctatatc catggcggtta 120
 ttctctccgc cgatctcttc ctcaattcag aaccctaata tcatccccaa gatntcaacc 180
 tctctttctct caaccaagcg tttctctcta atctccgtcc ctagagcttc ctccgacaat 240
 ggtacgactt cccccgtcgt ggagattccg aagcctgctt ccggtggctg gtagaaggan 300
 ntccagttt aaatctccag cccgaaagct ccttccgcct tctgaaaaaa cggggcccggt 360
 ttggaagggt gaaagcccaa ccngaattcc gaaggttact ggaagaaccg gttaatccaa 420
 aaattatcca nggaattgcc caaaacttgg ggggtttaa at gggggnacct ttggggggaa 480
 ttntggaaaa ac 492

<210> 8532
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-H4

<400> 8532
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 gagaaggggtt tcacgtcaag atatacaact ggttcaaaac cttatagaac gatgccttca 120
 actttacatg aatcagaaag aagttgtgga tactttacta gagcaggcta aaatcgagcc 180
 tgggttcaca gaactagttt ggcagaagct tgaagaagag aatcgggagt ttttcaaagc 240
 ttactatctt aggctaattg ttaaacaacca agataatgga attcaacaag ttgcttgagc 300
 agcaggttca ccacatgcgt cagatgcata caactggtgt tgcttctgtc caaaacacaa 360
 atggtttctca tcttcaatca atgaatcnag aaaccaattt atgccaatcc ctctgaagca 420
 cactggacca aatccttttg aa 442

<210> 8533
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-F4

<400> 8533

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 aattaataag tgcatttaat attgattggt ggccctggagc tgaaggcact tccttaccaa 180
 tgcttaaaag tctttgtgtt tacggtgtga ggggtttttt gtgatgatga gcttcaggag 240
 cttcttcctt gtttccctgt gcttgaagaa ttacaaatgt ctaatatgca gtggcttgat 300
 tctgatgaaa ccgtgtcaag tgcaaccctc acaacgctcc atattactgg catccgctct 360
 gaaaatccta agagcatttc ctttgatact ccaaaatctg ctttcctttg tccacactga 420
 attt 424

<210> 8534
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-F6
 <400> 8534

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 gcagcttccc attcagcgta tgcttgattt tgatttcctc tgtgggagag aaactccttc 180
 tgttgctggt atcataaacc cagggtccga gggattccaa aagctatttt ttggtcagga 240
 ggagatcgcc atccctgtcc acgcagccat tgaggcagca tgcgctgctc atcccacagc 300
 agatgtattc atcaacttcg catcgtttag aagtgtgctt gttcatcca tggtgtcttt 360
 gaagcagcca actattaaag tagtggccat tatagcanaa ngtgtttccg gagtcagaca 420
 ctaagcaa 428

<210> 8535
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-016-Q1-E1-F8
 <400> 8535

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cccgcacgatc tggcgcgctt gtgctggagc ctccgtccag atccctgtcc ttcactctag 120
ggtttactac ttccacaag gtcacgttga gcaactgttgc cctctcctct ctactcttcc 180
ttcctccacc tcgcccgttc catgtatcat cacttcaatt cagttgctcg ccgatccggt 240
caccgacgag gtctttgctc accttattct tcaaccgatg acgcagcagc agtttactcc 300
gactaattat tcacgattcg gcagattcga tggcgatggt gatgataaca acaagggtgac 360
taccttcgcc aaaattctca agccttctga tgctaacaat gggaagtggc ttctccgttc 420
ctccgtttc 429

<210> 8536
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-G10
<400> 8536

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tggatgagac ctattttgat ctattgaatt tctttaagaa tccctctttt acagagacat 180
ttgtcgacat ctactatgc gcagttccga tttggctcgc cgttatgac gggttattaa 240
tcggatggtc ttggcgcca agatggaccg gtttgatcta tttagggttt cgttctaagc 300
ttcggTTTTT atggaccgca ccgcctgggt ttgggtgctc gtcggctttg gcttgctttc 360
aancgctctc tctgcttcc cccgtttggc cgaaacaacc tggtaaagg aatgacaaca 420
agagctaata aaaccggcga accggttc 448

<210> 8537
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-G11
<400> 8537

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gaaggaaaag aggctcctag ctcaaggtag cttgtctcgc ccaggaggcg ggaagagttg 120
agaacaaagt ggcgaacggg tgcgtaaggc gtgggaatct gccgaacagt tcggggccaaa 180
tcctgaagaa agctaaaaag cgctgtttga tgagcctgcg tagtattagg tagttggtta 240
ggtaaaggct gaccaagcca atgatgctta gctgggtctt ttcggatgat cagccacact 300
gggactgaga cacggcccgg actcccacgg ggggcagcag tggggaatct tgggcaatgg 360
gcgaaagccc gattcaacaa tatcgncgtg agtgaagaaa ggcaatgccn cttggaaaag 419

<210> 8538
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-G2
<400> 8538

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gccgccgccg ccgcggcttt acagaagcaa aaggcgttgt tacagagagt ggagactgac 120
atcacatctg tcgtcgataa cttcacgcag atcgtcaatg tttcaagggt gagtgatccg 180
ccggtgaaga actcgcagga gacatacatg atggagatgc gagcttctag aatggttcaa 240
gcagctgatt ctcttttgaa actcgtatca gaacttaagc aaacagcgat attttcagga 300
tttgcatcac taaacgatca tgtagaacaa agaatagaag agtttgatca agangccgag 360
aagacaaatc gattgttggc taaaattgct gatgatgcat ctgccaatct taaagagctc 420
gaagt 425

<210> 8539
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-016-Q1-E1-G3
<400> 8539

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atcctgagaa tcaacaacc ggaaaattca ataaatgaaa cgcctttaat tgttttttct 120

tacaaaactt ctaagcagat tactttggcg gagacccatc tgattggtat ttttgcagat 180
 attccgttct tggagtacca actggcctgg agctacattc cttagcctgg agtaaataat 240
 aggctgaccc tttgaaatca acatggtttc ctcaagaact taataacttt tcgctggttt 300
 ctgtcctgga gcgttgttgt gtgtttgggt cagaggtatt aataaagtcc aatgcaaggt 360
 ccacgaaagc actggtgaat tcaaccgact gggataaatt atgcagatgg gagaaaccaa 420
 tctgtagcaa c 431

<210> 8540
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-G4

<400> 8540
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 ggcttcactt cgtcgacttc tagaggaaga tottaaatta gagaaggagt ctcttgatct 120
 atttaagaag ttcattaaca aagaattgga tgaagtacta caacttcctg atgctcctaa 180
 atgttcgact gagtctattg tgaaaaatgt gaagaaaaag gtcaagagca caccatctaa 240
 gatggtaagc agtgaataca attctgattc agatactgag gggaatgtgg acaacgagga 300
 ggtagctgta aagaagacaa tggcccgaaa agttaaatta tcaaaaccag agatgatggg 360
 aaaacggaaa agtgaaaatg gtaaacaagt atctggaaga aagaaagcaa aacatacaga 420
 aatagttcag ag 432

<210> 8541
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-G5

<400> 8541
 gccacgcgt ccggcaaaag ctgaatcttc ttccttagat gttgatgact ctcttcaagt 60
 caaatctgtt tctttctcgg aatgtagcag tgactaccaa gattacactc cttgcactga 120
 tccaaggaaa tggaagaagt atggtactca caggcttact ttcattggagc gacattgtcc 180

tcctgtgttt gatagaaagc agtgtctggg tcctcctcct gatggctata agccaccgat 240
aagatggcca aagagcaaag acgaatgttg gtacaggaat gtgccatatg attggattaa 300
caagcagaaa tctaaccaga attggctaag gaaaganggt gaaaagttca tttttcctgg 360
tgggggtaca atgtttccac atggaatcag tgccaagtca ttttgatgca agattgattc 420
ctgaaat 427

<210> 8542
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-H1

<400> 8542
aaaaccaagt cgaagctttt aaaaccctaa atccccaat cgggaactga gattccgatt 60
cgaagatgtc gtcgtcttct ccgagtggaa gcggtagtga tttgactgag agaagaggga 120
tcctgcccgc caaattcatc caagatgtgg agacttatct ctctcagtct ggtctcgatc 180
ctaactctgc tctcgctttt caccaagaaa ggcttcagca atataaagtt gttgagatga 240
agcttcttgc tcaacaaagg gatcttcagg ctaaaatccc agatattgaa aagtgtttag 300
aagggtgttg ctactttgga aagcaaaaga aggttactgg tgaggcgctc ttagctgatt 360
ttgangtgtc ctgaaaggaa tatattccac cgggcctgcn attgaagaca cagactcagt 420
gtgtttgggtg ggttgggaa 439

<210> 8543
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-H10

<400> 8543
cattgcagct gcatttgctg atcctttagt cgacactgtt aacaacttct ccgcagccac 60
agggattccg tctttcttca tttccttcat cgctttgcct ttggccacca attcaagtga 120
agccgtgtct gccatcatct tcgcatcccg caaaaagatc agaaccgcct ctttaacttt 180

ctccgagcta tgtgggtggag tgacaatgaa caacattctg tgtctctcgg tgttcttagc 240
aatcgtctac gttcgaggac tgacatggaa cttctcatca gaagtgttgg tgattctcat 300
cgtttgtctg gtgatgggag gtttcgcgaa gtttccgcac aacttatcct ctttggacat 360
gtttcatagc ttacttgctt taaccattct ccttgggtct ggtccaaaat cctgaatac 419

<210> 8544
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-H11
<400> 8544

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ttcaccgttg attaaaccgt cgtcatctct ccgtcacagt ggagtaggag gaggaggaac 120
cgctcaatth cttccatacc ggagtaataa taacaaactc ttcactactt caaccaccgt 180
acgattcagc ttaaaccgaga ttctctcttt ccatggcttg gattcatctg tagacatcgg 240
agcgattttc accagagctg aatctcttct ctatacaata gctgacgccg ccgttggttg 300
tgctgattcc gtcgtaacta ctgattcatc cgccgtgcag aagagtgggtg gttgggttgg 360
ttttatctcc cgatgctatg gaattgggtc ttaagatttt gaagggatgg gattatcanc 420
gggtcat 427

<210> 8545
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-016-Q1-E1-H12
<400> 8545

gtcgaattgt tctgtccctg ggactttttt ttgtttcgtt tttcttgta agatcgaaaa 60
ctctgttttg gtagattttt gtgttcttga ttttgattca agatggggag gctgtttgtg 120
gtgaatcttg aagggaagat ctatagctgc aaacactgta agactcatct tgctacttat 180
gaagacatca tctccaagtc ttttactgac aagcatggga aagcttatct cttcaataag 240
gttgccaatg tttccattgg agagactgaa gaaagactga tgatgactgg taaacatact 300

gtggctgata ttttctgtgt ctctgtgtgga tcaatcgttg gctgggaaat acgagactgc 360
tcatgagaag aaccagaagt acaaagaagg aaaatcagtg ctgaaaagat ttaaagatat 420
cgggtcctga tgggaag 437

<210> 8546
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-H3
<400> 8546

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attccgattt caaatattcg aaggtgaaat ttcttcattt tctgcgaatt tggtagctat 120
cacgtttctca atctggtgaa ttagggcttt tgttgagctg tggaagctaa tgatgggtgt 180
accacccgct gaggaagggtg gggtttctct ttgttgctat gtcttgaaac cttagtttgc 240
ttttgtcaat gggtaaaacc gaggatgatg tgagtctccg tgtcgccggc ggcgaagcta 300
ccggcgattc gacggtgagg aatgctcggg gtgggtgttg caaatggatc tcaagcttcg 360
ttgggttcaa atgtttattc gtgctgcttt aacaatcgtt tgttccttcn ggctttgggt 420
tggtgcct 428

<210> 8547
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-F2
<400> 8547

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gcagccacaa acatctccag ttctctctca tccatctatt tcccaccctc cttactctga 120
catgatttgc acggcgattg cagcggttaa cgaaccagat gggtaagca agcaagctat 180
ttcgaggtag atagagagaa ttacactgg gattcctact gtcctggag ctttgttgac 240
acaccatctc aagactttga agaccagtgg gattcttgc atgggttaaga aatcttaca 300

gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
 ncagatctga tttcatagtc aacgagaacc aacctttacc tgattcgggtt ttggcttctt 420
 ctactcctca aga 433

<210> 8548
 <211> 222
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-D12

 <400> 8548

gattaagaan nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnaaaa 60
 caagttgtta ttaagaatat gcgatgagac ttgatgaaat atcagaacca tcaacaaact 120
 ttggaatgtt gtagcattct cttnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnggg cg 222

<210> 8549
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-D2

 <400> 8549

gcccacgcgt ccgaaaaaaa taattaaact tttactctct tccgatctcc tttccttgta 60
 catctagatc caagcgggat cgatggctcg acgtggatta ttgatttcgt tcttcgctat 120
 cttctccgtc ctgcttcaat cttccacttc tctgatcagt tcttctagcg tcttcgtcaa 180
 tccttccaaa gtcaagcagg tttcatcgaa acccagggcg tttgtgtatg aagggtttct 240
 cacggaattg gaatgtgatc atatggtctc ccttgcaaaa gcgagcctga agagatctgc 300
 tgttgctgat aatgatagtg gagagagcaa attcagcgag gttcgaacca gctctggcac 360
 ctttatctcc aaaggaaagg attccaatgt tctggganag aagataagat ctcaattgga 420
 caatttcntc 430

<210> 8550
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-D6

<400> 8550

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gcccacgcgt ccgaaaaaat gcaacgagtt tacgccttac gctaacaagg gtatgataac 60
gttgggtgacc gatctcgaag gtagcagtcg ggccactaca gagttcaaga ctttctttac 120
acagttcaag tcttacatgt ctttcatcga gacaacatcg gcctcaacaa aaaatgttga 180
tgccgagatg acagctaaat gtgacgggtct tttcaaggcc atgtctgcat tgagtgctag 240
taaaggcgtc aaatcagcgg atgctggggag tatgaagatg accatgttgt cgatgggaaa 300
gacttttggtt gagcagaaga agaatacaaa gataatgaca ttgaaggaaa agaaagagtt 360
ggtcatagat atggtgaaat ggactaaaaat ggtcgctaca ttttgtgaaa tcggctccga 420
gcanaaaag 429
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<210> 8551
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-D7

<400> 8551

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actttatttg atgaagccgc tattcaactc agtgtctttg gctacttatt tagaaggtgg 120
tgacttacct gaactgatca aagaacttcc tcctcctact caggtaattg tcgaagcatg 180
tattgaacaa gattggagaa ggaggccctc agcaaagagt cttttggact ctccgtatct 240
ctcagctaca gtgaggtcag ctcaattggt tgctgctcca cttcaacttt tggccaaagg 300
tcaaacacgc ttgtgttatg cagcaagttt tgccaaacag ggagtcttga aagtaatggg 360
aacatttggt gcagagatgt gtgctgtgta ctgtttgcca ctgggtcanca cacctttatc 420
tg 422
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<210> 8552
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-016-Q1-E1-D9

 <400> 8552

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 ggagaaagac atggcaatga tgggagacaa actgatactg agaggcttga aattttatgg 120
 tttocatgga gctattcctg aagagaagac gcttggccag atgtttatgc ttgacatcga 180
 tgcttggatg tgtctcaaaa aggctggctc atcagacaac ttagctgatt ctgtcagcta 240
 tgtcgacatt tacaacgtgg caaaggaagt tgtagaaggg tcatcaagga aaccttctgg 300
 agagagttgc aggacttata gcttccaaaa ctctggaaat atcccctcgg ataacagctg 360
 ttcgagtga gctatggaaa ccaaattgtg cgcctaataa aagcactatc caataattaa 420
 gtgtcca 427

<210> 8553
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-E1

 <400> 8553

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntctgagaga aggaagagta gtgattctga 180
 agatgacgtt gaagaagagg atgagaggga taaacgcaga gtgaatgaga aggagagagg 240
 gcatcgagaa catgagagag atagaggcaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntagagag aggagagaaac ggggaacggg 360
 aagagccggg agaaaggnga gagtttaaag aaagagaaaa gcgggaaacg ggaagatgga 420
 gagaaggata agganaaaac 440

<210> 8554

<211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-E10

<400> 8554

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 tgggtactgc gtttggtact ggtgggccgg atcaaattggg ccaaattgtgg gctattccta 180
 ccgttgctac agctccgttt ctgaatgttg gtgctagacc ggtgtctagt tatgtctcaa 240
 acgcttcaga cgctgaggcg gagatggaaa cgagcgggtg cggaacgacg caaccgctga 300
 gggatttttc gttggagatt tatgataaga gagagcttca gtttttgggg tggctcaagg 360
 aactcatctc cgtcctcatg tcatgaagac ntaagggaat ttaaccctaa ttccaanttc 420
 ctt 423

<210> 8555
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-E11

<400> 8555

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 aacgagcaat tggttttttt cagatttgat cctgaatttt tacatttttt tttttgcaat 120
 ctccccctaa tctgttggtt ctogcttctt cttctgttaa tcatctgtct ttcaaaaaga 180
 aagaaaaaag aaaaattcga tttctgggtt tggttttgtc atacagaaaa aaatcaagct 240
 tatgaatttg tggttaattt tttgttttaa tttgaaaggc aggttttttc agaacgagat 300
 cgttttttca aatttcttct gattttacct ctttttttct tcntagattt tagtgaatcg 360
 anggtgaaat ttttgattcc ctcttttcgg atntacacag aggnntgcct aattcaaacc 420
 t 421

<210> 8556

<211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-E3

<400> 8556

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gtgtctgcca gctttatcca aatgcaattc ctagtatgct ggtttctcgt ttttttagag  180
tatatactca atggcgggtgg ccgaaccagc tcatgctttg tgcaatagaa gaggatgagc  240
ttggatttcc tgtctgggac cgtcgtgaaga atcatcgaga ccgctatcac cttatgccaa  300
taataactcc agcttaccba tgcatagaatt ctagttacaa tgtctctcaa agcactcctc  360
gcgttatgac agagcaattc caagtttggg aacaatatcc tgcaggagaa ttgatttaaa  420
taaacagcac tg                                                         432
  
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<210> 8557
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-E4

<400> 8557

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gctgactttg gtttgttctg tttcccttgt ttaatggaag ttgttnnnnn nnnnnnnnnn  180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttgaaga  240
tgaatatatg gctgatgagt atgacatgga tgatctcgag gatgatatga atgccgcgtt  300
tgatggaaga gatatcgatg cttctgattc cgaagtcgaa gatttcgatc aattgaacaa  360
ggctgcagat acttctgctg ctcaagcacg gnatgggaaa ggatattcag ggtataccgt  420
gggaaaagnc                                                         430
  
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<210> 8558
 <211> 427

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-016-Q1-E1-E5

 <400> 8558

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 ccgtcagtgt tgtcttttga cggtcacctt cttcggcagc tagccgcaaa gcacaatgtg 180
 acatcgatac ttgtgttttg agattctagt gtcgatccag ggaacaataa tttcattaaa 240
 accgaaatga aagggaattt tccaccttat ggtgaaaatt tcatcaacca taaaccacc 300
 ggtagattat gcgatggatt actcgctccc gattatattg cggaggccat gggttaccct 360
 cccataccgg cttttccttg attcatccct aaccaagct gatttaactc gcggtgcaag 420
 tttgcct 427

<210> 8559
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-016-Q1-E1-E6

 <400> 8559

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 agggttttga ggtgtggagc tagggctttt gctgctagat agttgatttt tcaattttcc 120
 gcagcagaaa tgggaaatgc gtcggagaat ttcgatattg aagatctcat gtcttatgga 180
 gacgatttga tcaacttatt gaatgttaag aatggttttg atattatatt tcaaagttct 240
 gagcagttca aagctctcaa ttttgcttgc catgaggatt tcaatcagat acaaggctct 300
 attgaagatt gtaagacgaa actctatgct tgtaagaaga aaactgagga agcatattca 360
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 cggga 425

<210> 8560
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-E8

<400> 8560

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gtggagctct tcaggcgcgt tgcgcaagaa ccgcgcattg tagccacga gcggcgcaatt 120
ctaacaaacc cgcgctttct tcgtttctgc tgaccggcgc ctctcgcagg aatctgttat 180
tttcgttgac ggcagcgacg gtagtgacgg gacttcagcc tgcacatg gcggagaata 240
ttccgttatt tggataaga aagaaactga agaaagcaga agaagaagcg gtggagatcg 300
tgaaagaagg ctttgagacg gcggagaaag gcgttgatgc ggcgagaaa ggattagaag 360
cggcggagag aggtgtagag acggcanaga angaaatctg acggcggtta gctttaatgg 420
a 421

<210> 8561
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-E9

<400> 8561

gaccatatcc acaatcctca agctatctcc tttgtgtcca taatcgaaac gctttttgcg 60
atctatccta atcttttttc tatcttctgc taaaatttg gttctttttt ggttgaattt 120
ggataaaatc ataatctcct cttcaatttt cttgtgaaat ggaagtttca gtgattggaa 180
atcctcaagc gaggatctgc agagcagaat tagcttacag agagcttgga tttagatttg 240
gctctgatgt aatctccggt gaatcgagaa atagggttag tttctgcaac caaagctcta 300
aatggaaaga gatcgcgata cgttgctctt cgagatctgt caaatgtgaa agccatcgtc 360
tccgatgacg ctctctcgt ttctcaaac cactccaaaa tctaaaatcg ctcgagaatg 420
taaatta 427

<210> 8562
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-D1

<400> 8562

ggacaacttg tagaagagaa gaaaaaagac atgaaggaga ttgaggagct ttgttcagtt 60
aagtcagagg aacttaatca gttgatggaa gagaaggagn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnntca gagaggaaga aactcgaaat caaatgtaat 240
gagttggcaa agcgcggaagt gcacaatgga accgagagaa tgaaattgtc tgaagatctt 300
gaacagaatg catctaagaa tagctctctt gaactagctg ccatgggaac ancaaaaagg 360
cagacgagga agttaaaaaa cttgctgaag ancaaaggga ggcaaaaagg agggancttc 420
atgngaaaat cataagga 438

<210> 8563
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-F1

<400> 8563

gctgatctcc tccgttccac cgccgtgttg catgcggcgg cgataggtcc tatggtcgac 60
ctagggacgt ggggtcatgag ctctaaactt atggacgctt cggtgacgcg tggcatggtt 120
ttagggcttg tgaaaagtac gttttatgac catttttgcg ccggtgaaga tgccgacgca 180
gccgctgagc gcgtgagaag cgtttatgaa gctactggtc ttaaagggat gcttgtctat 240
ggcgtcgaac acgccgatga cgctgtatct tgtgatgata acatgcaaca attcattcga 300
accattgaag ctgccaaatc tttaccaaca tctcacttta gctcatggtt gtgaaagata 360
actgcanttg tccaattagt ctttctgaaa acgaantgaa cgatntgctg ccggtgggga 420
atacaaaaaan ccga 434

<210> 8564
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A7

<400> 8564

gctctcacc ctaggttctt aagtcatacc cattttcaag gacaccttag aaagtttcga 60
gttttctatt aggtgtattg atcttgaagc cttaaagttt gtgtcttttt gtttaattga 120
ataaagtttg atgggaggag ggaattccaa agaagagtcg tcatcaccat cttcatcatc 180
atgggcttct catcaaagtt atcctcaata tggacctgat agctacaact annnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnggcttcc agttatggcc ctccagtatg tcaagagggt tatgcatcac agcctaataa 360
tctccacca cccacttatg ctcccgctcc atctccggct tccagttatg gccatcagta 420
tagtcaagag ggcta 435

<210> 8565
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A8

<400> 8565

gcggacgcgt gggctttggc ccaccttacg agtggcaagt gtacaatacg ctcaatagct 60
gttatggaat tctgtctgta catcataagg gtcgtcaagg agatttttac attctgggtca 120
tggacatgct tgggcctagc ctttgggatg tttggaattc tttggctcaa tccatgtctc 180
caaacatggt agcatgcatt gcagtggagg cgatatctat tcttgaaaaa ctgcatatga 240
aggggtttgt gcatggagat gtgaaaccag aaaacttttt gcttggtcag cctggaacag 300
cagacgagaa gaaactatac cttatcgatc ttggtctagc atcaagatgg aaagattcac 360
actctggcca gcatgttgaa tatgatnaaa ngccanatgt atttaagagg aacaataagg 420
tatgcaagtt gccat 435

<210> 8566
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-B1

<400> 8566

gaaaaatcca atttttcttt gtttcagtc tctcttctgc tcattgatct ttttaattaac 60
tttgattctc tccgtttatg gattaaccat ttgatcgaga taactctcca agaaatcgac 120
tgagttcgta acttgttggt gtcngatctt ttaaagattc aacctttttt ggtccgatca 180
tggtgtgtgc tgagaatgct ggtgtcaaag tggactcttc tggtcagaat ttagacanca 240
acaacactgc tgcttcagct accgagacga caaagccgcc atgtcctgat gatgatcaaa 300
gccctaaatc tgactcatcc actcctctta ccatcgattc gactcctgaa actgacgatc 360
ggatcaatga nactgctcaa aaggtcagac ttnaaatggg ttagtggaag atngtgaaga 420
agagatcncc atggaaga 438

<210> 8567
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-B12

<400> 8567

ttcanggggc gaccacgcg tccgaaaaaa acagtgcctt ttcgctcacg ctttgagtcg 60
tatctgctct cttcttaatc cgccgtctct cacttttttcg ccggcgtggt taagatcgta 120
caaagctcaa gagaagaaat gttggggaat cttgaaggca aaagagccat ccgatgggaa 180
cttcgactcc ttaaggaagg aacgccgaat tcgcattggg tttcngcaaa ggaagctatg 240
cacctgggtg caaaagagat gacaagtcag agatgcncta aattcggcaa ttgatnagga 300
aatgtcngcc gatcctaaag tatttgctaa ggggtgaaaag gttggccaaa tntaaggng 360
cctacaagnt tactaaaggc cttttgggan aaatatggcc tgaaanantt acgatacccc 420
tattactgag ggctgggttt accggaatt gganttg 457

<210> 8568
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-B2

<400> 8568

cggtttttat attagagtaa tgtgggttat tcaatctgtg ttgcagatgt gtcataagca 60
tggagtaatg cacagagatt taaaacctga gaacttcttg ttgcaaaca agaaggaaac 120
tgcattcttg aaggctattg attttgggtct ctctgttttc tttaaaccag gcgagagatt 180
taacgaaatt gttgggagtc cttactacat ggctcctgag gtattaagga ggagtattgg 240
acaagaaatt gacatttggg gcgcaggagt gattctttac atattgctct gtggtgttcc 300
accttttttg gcagaaaccg aacatggagt cgcaaaagca attcntaaat ctgtaattga 360
ctttaaanag agaccctggg ccnaaagtgc tgataatgc 399

<210> 8569
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-B3

<400> 8569

gcttggggtt gacceagtt tgcttctttc tatgattcat caatctagat cttgctatct 60
gggtccagaa acgattcacg cgcttcattc atgatataaa gttactacct tttttttatt 120
ttacctctcg ggtcatggtt ttgtctgctt ttcgtctttt gcttttgtct ggatgattca 180
taatctctcg agatctatta tggtcacaag agttgttctt atgcgtgggtg agatgatctt 240
aggagtgttt cactatcttt cttcaattcg ggtttttagt ttctgagatc tgtttttgaa 300
gaatctgac tgagtttgag gaagtttgac taaatagatc gaagaagatg tttaagcaga 360
tacttgggaa gcttcttaag aaaacttctg ctaagttttg ggataatggt gaatcccaa 420
ctcnagataa caac 434

<210> 8570
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-B5

<400> 8570

gattcatttg aaaagagata aagatgtgat aagttacata agtaatagtc ggttttgata 60
caatggagat gatcaaggtc caaggacatg gagctgagca ttccatctcg tattgggtttt 120
ggaaattgaa gaaatcgaag atgggtgaaag taaagtcgag gatggaaaca agggcgatga 180
ggatgaagga gaagacacaa gttattgaaa acaagatcat tcattttttt ttcagagaac 240
tcttttaaga aaactttaac aaaaagtaaa acacaaagct ctcttggtta ttttttgga 300
atttaatcat aaaaaaatgg agagagtcct tggagaggct ctctccactg gaggtgctct 360
gatactctta ntatatttaa cattcgTTTT attcaaaaaa agtcncaaaa aaaang 416

<210> 8571

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-C10

<400> 8571

ggaaacagat actcctactc ctgcaaagaa agtagagaaa gtgtcaaaga agaacgagga 60
aggtgtgatt gttaacaggt acagaccaa agagccttac actggaaaat gccttctcaa 120
caccaaaatc acagctgatg atgctcctgg agagacctgg cacatgggtt tcagccatca 180
aggagaaaatc ccgtacagag aaggacaatc tgttggtgtg attgcagatg gaattgacaa 240
gaatggaaaag cctcacaagg tcagacttta ctccattgca agcagcgctc ttggagatct 300
cggcaattct gaaaccgttt ctttgtgtgt taaaaagact tggtatacna angaccaagg 360
agagactgtt taanggagtt tgctcaaatt tcctgtgtga attggcncc 409

<210> 8572

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-C12

<400> 8572

gccacgcgt ccgaacgcct ctctatctct tcgccgtgaa tgctgagata gtcgtaagct 60

ctctgctttt caaatttctc tcaaattgag gtaganagag agggcacaga gatagagaga 120
 gaggggcata ggaaacggtg attttcccag ttcccggagg aacaatcggc tgatttctct 180
 gtaatcgaan aatctaaacc tcacccactc gaaatcagct cgtgggtttt ggggggtctc 240
 tattaatttc caaattctgg agaaaaatct tgtantttctt cangangttt ggggtgtgat 300
 tgtttttact ggagcagaag gaatcnccga nttggattcc ggaatcgtcn gagccaaaag 360
 cccttccatt ttcnnggncc nncntccaaa nttgggccgc aagggtaaaa gggttttggc 420
 cacaagggnn gaatttacct caatgganaa a 451

<210> 8573
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-C2

<400> 8573

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 gtgttttgct cttggagaat gtgaggttct acgccgagga agagaagaat gacctgaat 120
 ttgcaaagaa gcttgctgct cttgccgatg ttacgttaa tgatgccttc ggaactgctc 180
 acagagctca tgcttccact gagggagttg ccaaattctt gaagccttca gttgctggtt 240
 tcctcatgca gaaggaactt gattaccttg tcggagctgt ggcaaaccct aagaagcctt 300
 ttgctgccat tgttgagggc tcaaaggttt caacaaagat tgggtgtcatt gagtctctct 360
 tgaacacagt tgacatctc ctgctccgtg gaggtatgaa ttttacttcc acaan 415

<210> 8574
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-C3

<400> 8574

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 acctgaagag agctccctcg gtgatggact aggagaaggt tatggaatgc ttggccaggc 120

aggaagcaac aggctgcgag tatccagtgt tccgagcaag ctcttcgcct tccaaaggtc 180
 gccaaaaagc ttaaagaaag gcagtatgcy ggtggtgcga ctacctctgg ttgacatcg 240
 agcctggctt tcaactcctgt gcaggaata gagttgtgca atcctcagca ggcttttagga 300
 ttaggaagtg ggactcaaag cacttacttc tcagagtcag gaaccttctc gaagctgaag 360
 aagatctaaa atatggaaga cagagataca agtcntgaaa agccgagcac taaaaagtgt 420
 taaaatgaaa caaaggtgg 439

<210> 8575
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-C7

 <400> 8575

gaacaacact agaaatttca ctgagagaaa cttaccatgt ctgaaatata atcttccatg 60
 cctttaacag agagagttta taatcatctt tgtctgtccg atgtttctct ggccctgttg 120
 ggactgtttg ttttctgttg tgtgcgtgag aaggttacta aaaagctggg gccaacgata 180
 tggcctgtgt tcggaattac tccagagttc ttctttcaca ggaatgatgt ttatgggttg 240
 gctacaagat gtttgaaaaa atgtcgaggt acctttctct ataacggaat ctggcttggt 300
 gggtcgtatg gagctgtgac ttgtgtccct gcgaacgttg aatacatgct caagactaac 360
 ttcaagaact tcccaaaagg tgcgtttttc aaagaacggt tcaatgatct gctcgangat 420
 ggtatcctca atg 433

<210> 8576
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-D10

 <400> 8576

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 attcagaggt gacctgcatg atatcagctg tggtaaccac caacaaatta cttattctgg 120

tcagtcta at ggattctgca actctgtcgc acaagatcac ataaaggcta atacccttag 180
taggttacat ctctccacta ctcttacaac cacaagttgc tgggagtgga agaattgtctc 240
aaacagtggg agactctcgt ctatgggtctt cactgatggg ccattgcttg actctgtana 300
tctccgcca cccgtcaaag gangtgaggt ttgcttanat tccccactat atgaaacgctc 360
tagcacaccc aataagccct taactttgtg ataangaaat atctgtctct ccggccgctt 420
tgtcng 426

<210> 8577
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-D3
<400> 8577

ggaagaaaca gagagcatta tcaattatta acaattacac annnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngctttg gccacgacgg caccgttagc 120
tccggtcacc agtcagcgaa aagtacggaa cgatttggag gaaacattac caaaaccata 180
catggcaaga gcattagcag ctccagatac agagcatccg aatggaacag aaggtcacga 240
tagcaaagga atgagtgtta tgcaacaaca tgttgctttc ttcgaccaa acgacgatgg 300
aatcgtctat ccttgggaga cttataaggg atttcgtgac cttgggtttca acccaatttc 360
ctctatcttt tggaccttac tcataaactt agcgttcagc tacgttacac ttccgagttg 420
ggtgccatca ncatt 435

<210> 8578
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A5
<400> 8578

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cccgaccga tccatcccaa tgtcaggagc taccaccgct tcctccggag accacaacaa 120

cctccgtctc ccaactccga cgcttgacgc cgaatcgcaa actctgctgc aatcgatttc 180
 tgctgaaggg gggtacgctt atgctcgcat ggcgggtgta gcggtggccg gtgaccaaag 240
 cgcgccggag gcggcgctg atatggcttg ggagcaactt cactctggtc cgtggcactc 300
 gggttctccc gtttggcgcg acgcttactc aatggcttgt ctccacgtag ctaaaatcca 360
 tttcgccgcc ggcgagtttg gtgangcgct tgggtgcgctt gatatgggtc ctatcaaggg 420
 aagtatgcct ctccnc 436

<210> 8579
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-F6
 <400> 8579

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 cgttgattcg gatttcgagg gataaagttt gttgctttgg tcgcatttct aatggcatga 180
 cgagctttac tacttccctt catgctgtcc cgagtgaata atttatgggc gaaacaagac 240
 gtactggcat tcaatggctt aaccgctctt taagacatga tccttacaga tttcttgata 300
 agaaatcacc tanatcaagt caattggcaa gagatatcac tgtgagagca gatctttcag 360
 gagctgcaac ccctgactcn tcttttcttg aaccanagat taagttgagc tcaanactca 420
 gagggataat cctttgtgtt gttgcnggca nttcggcacn tttccattg gcntgatgat 480
 aa 482

<210> 8580
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-F8
 <400> 8580

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gttggttgat cctctccgct ctgaagttct tccattcggt gaacgactaa agcaacagtt 120
tcctcagagg aatgggaatg aaaatgcact gcaagcttct gcgaatgtac aatctcctct 180
tgatccagaa gctgcagagg gtttgcagag tgagcttctt tttgagtttc aggtcctgga 240
gattgcactt gaggtcgtct gtcatttgt tgataaaagt gtggctgctc ttgagacaga 300
agcttggcct gtccttgatg aactcactaa gaatgtcagc actgagaatc ttgaatatgt 360
acgaagtttg aaaagtaatc tcaaccgcnt gctaactccg tgtacaaana ggtganagat 420
gaacncgagc attttggtan atgaccacga aagacattng 460

<210> 8581
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-G1
<400> 8581

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aagaactaag tcaaaagcca tcatcagctc agtctctgtc actgagagag ggcagaaata 120
ggtttctctt tctgtccctg tcacagagag agggcagatt ttttcttctt ctatctcttt 180
cagagagaga tggaagaaag ttttcttttc tcagtatgtt ctcttttctc atgccactgt 240
tgagaggttat taagattatt attgcttctg tggcctccgt aatcttcgtc ggtttcgctt 300
gtgtaaccct cgctggttct gccgcagcat tagtcgtaag caccctcggtt ttcacatat 360
ttagtctctg tctcgtacca gctacgatag ccacggttgt cttgggagac aggattcacg 420
gccggtggct cttttggacg acacacttgg cccatcatgt ggctngttaa acgtaggatg 480
ggaantaa 488

<210> 8582
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-G11
<400> 8582

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actnngngang tccagcaaaa tccgcttcct cctccgtcaa ttctgtagat gaagatggcg 120
gtgacgtcac tgcttcgtgg ctttttagcta aagaaggaat cgaaatcact aatttggtct 180
ccgatcttga ttatccgaag attgaggtaa cgtcggagga gaatagctcc ggtaacgacg 240
gagttgttcc tgtgcagaat aagttgtttc ttaacgaaga ttacttcaat ttcgatctct 300
ctgcttccaa aattttctcaa caaggattca atttcatcaa ccaaactgtt tcgacgaaga 360
acgatagatg taccgttggg gcctgaaagt ggaagagtga cggccgagat gacgaanacc 420
gagacgccag ctgtgcagtt atcaccggcg gagaaggaag caanggttt 469

<210> 8583
<211> 494
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-G2
<400> 8583

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ctccccctga cctccccgat tcggcgactg ttgctgatct gcaagaagcg tttcataaga 180
gagctaagaa gttttaccg tcgaggcaaa gactgactct tcccgtagt cctggatcga 240
aggacaaacc tggtgtcctc aatagcaaga aatcactgaa ggagtactgt gatggaaaca 300
acaactcctt aactgtagtc ttcaaagacc tgggggcaca agtttcttan cgcacactct 360
tcttcttcga gtatcttggc cctcncntta actaccctgt cttttactac ttccccgtt 420
tacaaagttt ccttgggtta atggngaagg actgtgtgat tccaatccgg gtccaggacg 480
tnacgcctaa tggt 494

<210> 8584
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-G3

<400> 8584

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acgtgattca aggggtgctga tattttctca gatgacaaga cttttggata ttcttgagga 120
ctatttaatg tatcgtgggtt acttgattg ccgtattgat ggaaacactg gtggtgacga 180
acgagatgcc tccatagaag cctacaacaa gccaggaagt gagaaatttg ttttcttggt 240
atctactaag agctggaggg cttggtatca atcttgctac tgcagatgtt gtgatccttt 300
acgatagtga ttggaacca caagtcgact tgcaagctca ggatcntgcc cataggattg 360
gtcaaantaa agaagttcaa gtgttccgat tctgcactga gcctgntatt gatg 414

<210> 8585

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-014-Q1-E1-G6

<400> 8585

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tgtttgatga tgcgcacaat atcttttttc caaatttttg gttttttctt taacagcttt 120
acacaagttt gaaccttcag aaaccatttt tgctcaatct catagacaga gagagacaat 180
ttacttagct aggttctaata agtccactgt agagttgggt tttgactagc agaggaaatt 240
tttggtgaag tgtgtggtct cgaaggaaaa gctctttata cagatccgaa caagtttgca 300
tttttgatcat ctaatcagat aatctcgctt atctggaatt tgcattattg gtgatctggg 360
ttttatctgt ttantgttga agcctgttgt ccgagtattt aggggtcaaat tatagtacag 420
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<210> 8586

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-014-Q1-E1-G7

<400> 8586

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tggaaaaacc tgggaactcc acaaacgaac caatgtgtta tacagcgggt aaaccgttca 180
gtgttcgggt gctcaaagtt cataacagga agaattgagaa aagagggata catttaccac 240
aaaaacgagc taagtcccca ataaccaaag gcaaattctca cgagtcacca ccacctaaga 300
agcgaaacac atgttctgtc tcaagccaga ctcggaaggt ctgctaaag atctcaaaga 360
tcaacgggtg tggtgtaaga tgcacaccaa acagtaagaa gagacggaaa ngtcgatntg 420
acgatgtaac tgangtaa 438

<210> 8587
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-H1
<400> 8587

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gaacatgcaa gtcaccattg cctttaatca ctttgagaa ggtcttggtc agagaatgcc 120
aagatgtaga catggatatt ttcattgtgt gaataatgat tatacacatt ggcaaatgta 180
tgcaattggt ggaagtgcag ctccaacgat taacagtcaa ggcaataggt ttcttgctcc 240
aaacgaccat gtctttaaag aggtgactaa atacgaagat gcaccacgaa gcaaatggaa 300
gaaatggaat tggagatcgg aaggtgattt gttcctaaac ggtgcgtttt ttacgccttc 360
gggtggagga gcctcttcaa gctatgctaa ggcttcgagt ttgtcggtta aaccgtcttc 420
antggtgggc ttcagtcacg tccaatgctg gtgcactcct ttgtanaaaa a 471

<210> 8588
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-H11
<400> 8588

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 tttctttcca acctcaaate gatcctgagt gtgatttgtt caagggacat tgggttccag 120
 acaaaagagg atctttatac acaaactcga gctgtgctac gattcccgac tcgaagaact 180
 gcataaaaca agggagaccc gacaaagatt tcttgttctg gagatggaaa cccgatgggt 240
 gcgatcttcc gaggtttaat ccaaaggcgt ttctcagtat gggtcgaggg aagaagatga 300
 attttattgg tgattctgtg gctaggaacc atatggaatc tcttctttgc ttgttgtcaa 360
 tggaagaaac tcctaaggac atctacaagg atggagaaga tagaaacagg a 411

<210> 8589
 <211> 188
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-H3

<400> 8589

gcanatacta agagtgaaac cattgttcta cctcacatga cagtcatgtt tacattttct 60
 actttgttca atatgaacga ctaaaatcga atcgtagttg cctccatttc gtctttaaat 120
 ttggcttgaa cttgtgatta atgattatgg atgattcggt tttaaaaaaaa aaaaaaaaaa 180
 aaagggcg 188

<210> 8590
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-A10

<400> 8590

tgttacgctt gccggtncgg gtccganaat tcangggctg acncacgcgt cegtctcatt 60
 cttgggaact ggtaccgctc aatctattgt taagatttgg gatgtaaaaa gtcaggcaaa 120
 tgtggcaaag tttggtggac acaatggaga aatcacctct atatcattct ctgaaaacgg 180
 ttatttcctt gcgactgctg cactggatgg tgtaggttg tgggacttgc gcaagttaaa 240
 gaacttccga acctttgact ttccagatgc aaactcgggtg gagtttgacc atagcggatc 300

ttatcttggc attgctgctt cagatataag agtattccaa gcanctagtg taaaagcaga 360
atngaaacca atcaagactc ttcccgatct gtccggtncg gggtaaaagc cncaagtgtt 420
aaagtttggg actcgaacnc 440

<210> 8591
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A11
<400> 8591

gtcgacncac ggcgccgga aaggtnaaag aatagccttg tgtgtaacta aagggtttaa 60
agatttgttg cagataggta atcaagctag acctgatatt ttgatctta ctgttgcgaa 120
accgtcgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn ggtcgttgat taaaggagtg tctggggagt ttcttagagt 240
tgtgaagccg ttgatggag aaggtttgaa acctttgttg aagggtttgc ttgataaagg 300
gataagttgt ttggtgttg ttttgatgca ttcgtatact tatccgaagc atgagatgga 360
tgtggagaag ttggttttag aaatgggttt tagacatgtt tcnttgcct cgccttgac 420
accaaggtt cgggtgttc c 441

<210> 8592
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A3
<400> 8592

atcgggaatt aacctctct gcttcaaac aacatcgctt ttctcaccgg acctcaattc 60
tctccaatca aagctctctc tctatctct caaacctct ccaacacagc cacggaaatc 120
aacagtcac cgtatgggag gtggtccgag aactttccc gccggtgtat caaatggca 180
atggaaaagg atgcaagcga agaaacagaa acagcttctc aaagcaaggt tatgcagaga 240
acgtcagatc tacgagatgc gaaaacgcgc cgagctaaaa gcggcggtgg ctgagctaga 300

acgaccatgg gaaccgattc ataaaccacc gaatctattc tcagtttggtg ctgatgaagc 360
aagttaaagt actcgcggtat nggtttcaag aaacctgggtg gatttgattt atggactgat 420
agagatgggtc ctcaant 437

<210> 8593
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-F4
<400> 8593

gcttcgtcag attcatatag ctcaagttcc gactcagatt cagattcgga atcagaagca 60
tattcatctt cctcctatga gtctagttct tccagtgtatg ggaagcatag gaagaggaag 120
tcaacaacaa gacacaaagg ccgacgctggg gaaagaaaga gtaaaggacg aagcgggaaa 180
aagaaagctc ggccagatan aanaccaagc acgaatagtt caagtgcacac ggagagtagc 240
agcagttctg atgatgagaa agtggggccac aaagccataa agtcagtgaag agttgataac 300
gctgatcaac acgccaactt ggatgactca gtgaaatcaa ngatcaggag cccaattcgt 360
aggagaaaanc ataacagcaa ggagcaaaaag tcctannang gagccctgtn aagaattcct 420
tggnaatggg aacagaagtc ctagtaggga gccctgtgan aaa 463

<210> 8594
<211> 262
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-C11
<400> 8594

gtgcccgggtc canaactaac ggggtccacgc acgcgtccgc aagacanttg ggtgtcaacg 60
gttttagcta tgctatgaag ccttaatctc gaatcgcaac attactaata aagcaagaat 120
cctcgtgatg tgttggtctt gtttgtcttt gtttagtttt tgtgacttct ttaaacadat 180
agtaatatca aaacgtttga atttctaattg tagccgttnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnngg cg 262

<210> 8595
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-C4

<400> 8595

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 aaaattccca tttctcaagg tttttaaag agtattgcaa agatgtcttc tgattcgtcc 120
 cggaagaga atgtgtactt ggccaagtta gccgagcaag ctgagcgta cgaggaaatg 180
 gttgagttca tggagaaagt tgcaaagacc gtggagaccg aggaacttac tgttgaagag 240
 aggaatctct tgtctgttgc ttacaagaac gtgattggtg ctaggagagc ttcttggagg 300
 attatctctt ccattgagca gaaggaagat agcaggggca acagtgatca tgtttcgatt 360
 atcaaggatt acagangcaa gattgaaact gagctcagca ngatttgtga tggcattttg 420
 aaccttcttg aggetcatct cattcctgct gntccttgg ctgaagtcca aagtttttta 480
 cctgaagatg aaggg 495

<210> 8596
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-C8

<400> 8596

actttccgen cgtaccgggc aaaaatcccg ggtcgnccca cgcgtccggt tttatgcagg 60
 aaacaatctg tactagggtt ttgattccta taccgggagg actagtggag ctctttgcga 120
 ccagacatgt cgtgaagat cagaacgtgg tggattttgt aatgggacat tgcaacatgt 180
 tgatggacga ttctgtaacg ataaacatga tggtagcaga cgaggtcgaa tcgaagccgt 240
 acgggatgtt atccggtgac atccagcaaa agggttccaa agaagaagat atgatgaatc 300
 tcccttcgtc ttacgatatc tctgctgac agatccgact caatttcttg cctcagatga 360
 gtgattacga gacacaacac ttgaagatga agagtgatta tcatcatcaa gccttggggg 420

atctcccaga gaatggtaac aaggaaatga tgggtatgaa cccatttaac acggtggaag 480
aagatngg 488

<210> 8597
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-C9

<400> 8597

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tgggcagaag atatggcgtg gcacccatct gggaacactc ttttctctgt gtacactgca 120
gacgatgggg attctcagat atcgatccta aatctgaaca agacacgcga gggtactttc 180
ctggaaaata aacctcacgt aaaagggatt atcaacaaca taaagttcat gccttgggaa 240
aatacatgct ttgtcacagg gggaagtgat cacgctgttg tactatggaa cgagagtgat 300
gatgaagaaa acaaattggaa gtcgaaacct ttacacagaa atctacattc agctgctgta 360
atgggagtgg atgggatgaa aaacaagaat gttattttat cagtaggagc anacaaagag 420
aatatacnga ttttgatggt caagttgg 448

<210> 8598
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D1

<400> 8598

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gattncnttt nacagatcaa catcacccgc gccggagcag aaactcacac tcttcgctct 120
ccgccttgca atcatcgaga aaatcgccac taatctcgga accctaggtt tcatttgggc 180
cacggtgggt cttctcggtg gattcgctat cacgctcgaa aaatccgatt tttggttcat 240
caccatcatt ctctcatcg aaggcactcg aatcttcagc agaagccacg agctcgagtg 300
gcagcaccag gccacgtgga ctgtatccgg cgtcggaatc agtagcttcc gcgtgctcca 360

atcaagctca atttcacttc tcagaaattht aaaacgaatc agcgaaggga tctttaagcc 420
gatcctcgac aatggattga gagaagcgac gacgagaatc ggacgacaag agatntttga 480
ttgtcgaaca actctgacat ggaagaactc a 511

<210> 8599
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D11
<400> 8599

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ctatgcttcg atacctgaga gtcaacgtca atccaacaat tcaaaaccct agagaatgtg 120
tacttccttt ctccattctc ctctgctgtt tctccgagga agtttagaggc tctttccttg 180
acaaatctga gggtcacagat ngagttctct ctgtcgtcaa aaacttccaa aaagttgatc 240
cttcaaggn aacacaaaaa gccaatctcc aaaatgatct aaggttggac agtttggaca 300
gtgtggaant tgtgaaggca atggangagg aaattgggtt tgagatccng aaaaatgaaa 360
ccaacaagat tcagtccaac gatntanccg ttgacttant gcctctcanc ctcaagngaa 420
gttaaaagag aaacaaatcc tccgtgtt 448

<210> 8600
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D12
<400> 8600

ncacgcattc gaaagaatcn gaagactctt ggaaatgcac gcaaacagca gagaagatgt 60
taaagtggct ttgacagggtg acattatcgc tcttgcggtt ctcaaagata caatcactgg 120
tgaaaccttg agtgatccag aaaaccccggt tgttcttgaa cgaatggact tccctgatcc 180
cgtcatcaag gtagcgattg agccaaaaac aaaagcagac atcgacaaaa tggcgacagg 240
gttgatcaag ctctgtcaag aagacccgtc tttccatttt tctcgtgatg aagagatgaa 300

ccaaaccgtc attgaaggaa tgggagaact tcatctcgag attatcggtg acagacttaa 360
nagagagttc aaggtggagg ctaacgttgg tgcaccgcaa gtcaactacc gtgagagt 418

<210> 8601
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D4

<400> 8601

tgtecnctgc agcccaggtc catgnacncg ggtggcccca cgcgtcngta annchangata 60
tacttggaat ctactgata atcacggttc ttcaaattgt ccgcgtacca aatcttaagg 120
tcggggttgt tcttctcagc tgtgccttca tgtatgacat cnnctgggtt tttgtttcaa 180
aatggtgggt ccgtgaaagc gtgatnattg tggtagcccg tggtgacaga ancggagagg 240
acggaattcc aatgctacta aagatccac gaatgtttga tccttggggg ggctacagca 300
taattggatt tggtgacatt atcttaccag gactgcttgt aacnttcgca ctgaggtacg 360
actggctggc gaacaanagg cttaaagtcag ggtacttctt tgggacaatg tctgcttatg 420
gtccangtct tctcatnaca tacntagctc taaactgang ggacggacat gggcaancgg 480
gctctncttt acaccgtccc attncaa 507

<210> 8602
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D5

<400> 8602

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cttgcgatac atatatatat agatgcgagt acaccggact gtgaaatttt ggaacgaatt 120
gatttgattt gaatatggca atcgcaaga aattggaaaa tgagatctca cgctcttctc 180
cttcgtcatc ancatcatcg ctgaacgaag ctctgttaat ctctactatg tgtatcatcg 240
gcttacaagt ccatgtgcat atcaacgatg gctctgtgtt ttctgggata ttctacactg 300

tctctcttga gaatgaattc agtattgtgt tgaagaatgc aaaacttact aagaagggaa 360
gaagtaaadc gaatgtagaa agtggaaga ttgtggagac acttgtgatt ttgtcttcca 420
atatgtncaa ttgttgca gaagaatctcg ctttcgtcca aggttcaggg gagattgang 480
ggtgaaaatg tcttg 495

<210> 8603
<211> 457
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D6
<400> 8603

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gaatcagatc ggagatgtcg gatgtttccg gtgacggaga tttatcggcg acggttactg 120
aacatgaagt aactccacaa ccgccggttt cttcggcgac gtatccgtca ttaacggtgt 180
cggcgtctta caaagagagc agcggangta aaagctcgtc gaagaggaga ccaataaggc 240
cgagtttcga cgctgcggct gataatgagt ttattacttt gttcatggc tcggatccag 300
tgaaagtga gcttaatcga ctagagaatg aagttagata taangatcgg gagttaggag 360
aagcaaacgc tgagatnaaa gcgcttangt tgcngagag acaaggnaga gaaagctgtt 420
gaagagctac tgaggagctt actaantttg ggtgaga 457

<210> 8604
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D7
<400> 8604

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ggccaatccg atctctgatg aagaatctat ttcaatctca tcggttcgag gatggccttg 180
ctctgattac ttcacaaag gtgtaaagcc tcaatcagtt gagacggaga tgacttcaaa 240

tactgcatat cactccgagg acgaagaata aacccccaaa ctcgtaagg ctcttgctct 300
tcaagatttg tagatttatg aacacgaatc aacgaagatt cgaatcacca agagcagctg 360
caaagacatg gtttaaactt ttaagataag gtataagtaa agcaaaccnt ttacagactg 420
atnagattcn anccaatccc tantgaaatt taatnnaggg aaangtgccg ttgccttaan 480
cccc 484

<210> 8605
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-E10

<400> 8605
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atTTTTgttc tacccttgcg aatctctgaa atgaaccctc aagctaataga ccggaaggag 120
tttcagggag attgttcggc gacgggagat ctacacggcaa agcacgattc agctggagga 180
aacggagggtg gaggtgctag gtataagctg atgtcaccgg ccaagcttcc gatctcgagg 240
tcgactgata tcacgattcc tcttggttg agtccgactt cgtttttgga atctccngtt 300
ttcatctcca acatcaaagc nagaaccctt cccctactac cgggntcctt tggttcaagc 360
ctnccgacaaa ntgcaacaat ttcngctagc tcaaagttct taatacaggc aagggggggg 420
tc 422

<210> 8606
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-E5

<400> 8606
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ttgaaaaatc tataaccgat ttctgcaatg gcgacttcag attcgagggtc ttctccttca 120
tcatecgaca ccgaattcgc cgatccaaat cctagctccg atccagagac gaattcggag 180

cgtgttcaaa gtcaattaga gtcaatgaat ttatctcaac ctagcgaagt ctctgatggt 240
 agccacaccg aatttagcgg tggcggcgat gataatgatg atgaggttgc atcggctaac 300
 gggaacgaag gcggagttag caatggaggt ttattgcgtg aagggtgtggc gggaactagc 360
 ggaggagagg ttttgttang ggcggaataat ccggtggana tggaagcagg tgaagaaacc 420
 accgagtccg actangtagc ggttacgatg ganagaagag gaattagcgg gcggagctac 480
 ttcn 484

<210> 8607
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-F11
 <400> 8607

ctgtttacct tgcccgtacc ggggtccgaaa attnacgggt cnaccacgc gtccgaaaaa 60
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 gtcttggaat ttttagtgct ggcgttcttg gtgcacttta tgcactggct cggcaagata 180
 caaaagctgc tgaggaaacc atcgaatctc taaagaacca gttgaaagac agagaaagag 240
 cattggtttt gaaggagaaa gatttcgagg caaaactgca gcatgagcag gaagagcgga 300
 aaaaggaagt agaaaaggca aaaagaggaa cagttgtcat tgatcaacca gttgaattct 360
 gcaaaggact tggtgacaga attaggcccg ggagctaant taccgaagaa gaaattatgt 420
 gagaagctta aaagatcaaa tcgaaagtct ggaaaatagt ctgtcaaagg ctggc 475

<210> 8608
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-B8
 <400> 8608

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 aagatgaaga agttcaacta cgaaatcggt cttctctcga tctcggattt ttctgatcga 120

tggcggttcc cacactctgt atcgccgatg gaatctaccc cactgctttt ttctaccgga 180
 attcagtcgcg acgactgacc tccgtcgcgc atgatcggtt tacgaacccg aaattcggaa 240
 tcgatggacg tctacggaac ggaccgaang tgacggcaac ggtgaatcca tatacgtaca 300
 cngaggcggc gcagcccgaa gagcgganga gtttgacgga ttttttggtg gaagctagag 360
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 tgtnggcgca cncgctccag aaac 444

<210> 8609
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-G12
 <400> 8609

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 aactttgaag atatggcatc ggcttttaga tcatccacga ggttgattct tgtattaggt 120
 atactgattt tgtgttcggt ttcttctgtc cgaagctgga gcaaagaagg tcatattctt 180
 acttgtagaa ttgctcagaa tcttttagaa gccggaccag cacatgtagt agagaatctg 240
 ttaccggatt acgtgaaagg agatttatca gcattgtgtg tgtggcctga ccagatccga 300
 cattggtaca agtatcgttg gaccagccat ctccattaca tcgacactcc cgaccaagcc 360
 tgctcttacg aatactctan ggattgtcat gatcaacatg gattgaanga tatgtgtgtg 420
 gatggagcaa tccaa 435

<210> 8610
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-G3
 <400> 8610

gcttctcttg aaaccctagt cttgtatctc tgtaaattgt ctcatcgatt cgagggcttt 60
 ccaaagattc agtcttttct ctgtgtcgtg gttatttctg ttttaattgta tgtttggttt 120

gatgcctgtg atggtattaa atatactttg agagctttgt ctctaggaaa acaaaacaaa 180
tctgagggcat ttagaatctt ctttttttct ttggttatga aatccagttt gaagtttgga 240
tgtgaatagg tttatttttt ctaagttttt attacaagtt tagtgtgtgt gcaagtgatg 300
ataaaaagac agggacatca gattctcctt tgggagaagt ataatgatga ttaagtctag 360
atgggaatct ctctgatgca ccttttaa at tgtaaatgat gtttgttttg tgccggtgat 420
gtatatctat tgatgtgttt tcatcagatt 450

<210> 8611
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-G5

<400> 8611
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tgagtggaga gacaagcttg gcaagtttca ggcaaaacgc aaattaagga aatacacatg 180
acagctcgca gacgggagtg tttttaatac ataatttatg taaataataa agaagccatt 240
gccatttgcc agaagttgtg atcatgaaga aaaatatctc tctcgatga gatatacttt 300
tctctatcga cacttggtgca cgtagttgat tctcaaggaa cggacaaaat aaaaatgtta 360
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atatatggta agcctacgct ttctcaaa 448

<210> 8612
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-G6

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ctgacgagat cggcggcgtg ggcttgcata agattgactc tgtcgacgga gatggtggcc 180

tcaacgttct tcgtactgtg cgcatacctgg tagaatccag gcaccgtcgc cctccccagt 240
 ggcatgcctt tgtacatgac cgtgaagctg gactcaccgt acctgattcc gaccttggtt 300
 gggttgacgg cgggtgaagag catccggatg gtgagggaga gggaggcggg ggttggattc 360
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<210> 8613
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-G7

<400> 8613

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 aagattcttc tcctttcttc ttccttcttc cttatttcga tttcgaattt tgaattttct 120
 caatggctca atcgtgtctt aaaattgttc gaatcaacaa tctaaggaac agagtgaatc 180
 gtcggatttt gattctccga cgattcacac ggttggtatg gagtagaatc gttgcttgta 240
 ctctggcaa atctcggaga tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttacgataa tgataacagt catcggagat 420
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<210> 8614
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-G8

<400> 8614

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 tggccaccgt cgcgcttctt aggtctctcc gccgccgtga actccacgca gctcacatct 180
 ctgcatataa attcagttct gctagcgccg gcgggaggac gacggagctc cgactacacg 240

gagtcaaaga tatcatcgcc gttgcgtctg gtaaaggcgg agttggaaag tcttcaacag 300
 ctgtaaaactt agctgttgca ttggccaaca aatgtgagct gaagattgga ttgcttgatg 360
 cggatgtata tggaccatct gttcctatca tgatgaatat caatcaaaag cctcaagtta 420
 accaagatat gaagatgatt ccagttga 448

<210> 8615
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-G9
 <400> 8615

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 ttcacatgag tccaatcggg ggtcgtgagt tcaaaccctg gaagcatgag gttgctccat 180
 ataaggaagt catgggaagc tggcctagag acaaccttag tcgactgggt aatcatggga 240
 aactggagtt cgtggaccaa gtctttggtc cagagtcatt agagtttgat agtttaggtc 300
 gtgggtccata cacagggttg gctgatggaa gagtggttag atggatgggt gaagcaatcg 360
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 tgggttcaac a 431

<210> 8616
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8616

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 ttagttttga aatggttttt gcataaatta ttgttctaata gcatttttgt tttatctcca 180
 gcattttcaa gatcattgat cgttatgaaa tacaacatgc tgatgaactt agagccttag 240

taagtaatta gctaagaacg tcattctaata attcttctgg atgcggtttt tgggtgttatg 300
aaggatagaa gcgctgttca aagccggaga aacctcaatg ttttgaactc gtaacaccga 360
acttaantct ctagaagtta cagttantgt gtctactggg aaatacnaga acntcacatc 420
cttcttgana atcccttt 438

<210> 8617
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-H3
<400> 8617

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gtccaagcta aatgggtgcta tggaagaggt ntccaantnn ctnttcaaat tggaaaccac 120
tcncaanctt cncnatnnnt cgcacacgaa ttnnncccat ttggngaact gcttacatga 180
agcaaganaa gaagcccaga cccatctttg tgctgctgat cgtagagctt ctcagtatac 240
tgcacttcgt gcatcagctg tgaagatgcn aggtctcttt gaaagattcc ggagctctgt 300
ctgtgctggt agtgggattg ctgattttgc tgactccttg cgaactttgg ctcaagcttt 360
agccaactcc gttaatgaaa atgaagatga tgggtactact gagttccgga aatgcatccg 420
antcttgga gacaaagtta agcttctcc 450

<210> 8618
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-H4
<400> 8618

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ccacagccaa cgtgagcgtt tgaacgaaac gcttggttct gagagaaaacg aagtccttgc 180
cttgctttcc aggggtgaag ccaaaggtaa aggtatttta caacaaaacc agatcattgc 240

tgaattcgaa gctttgcctg aacaaacccg gaagaaactt gaaggtggtc ctttctttga 300
 ctttctcaaa tccactcagg aagcaattgt gttgccacca tgggttgctc tagctgtgaa 360
 gccaaaggcct ggtgtttggg aatactacga gtcaatctcc atgctcttgt cgttgaagaa 420
 ctccaacctg ctgagtttcc tcaattcaan ggaa 454

<210> 8619
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-H5
 <400> 8619

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 atcaattgat cacaaagcac ttcacgagac attttcagcc tttgggtcca ttctatcttg 180
 caaagtggcc gttgatccct ctggtcagtc gaaaggetat gggtttgtgc agtacgacac 240
 tgatgaagca gtcagggag ccattgataa actgaatgga atgcttctta acgataagca 300
 agtttatgtt ggaccctttt gttcacaagc tgcagagaga tccttcgggt gagaaagtta 360
 agttcactaa tgtttaagtc aaaaatctct ccgagtcctt gagtgatgaa gagcttaaca 420
 aagtttttgg agantcggag tgactac 447

<210> 8620
 <211> 258
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-H8
 <400> 8620

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 gtccagagag ttgattgaga tgggcttcat tttaggccca catgtttatc gatcagggttc 180
 attctcttca ttatatgaaa gtgtcctata tcgcaacatt ctcttcnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnngggcg

258

<210> 8621
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8621

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gatagaatcg aatcgaaaag gacgaaaaaa tgtcatatga aagcaaagggt ttttgggtta 180
tgaagaataa tgagcataca agtgaggaag attcagtgta tgatcattca acaagagatg 240
attcaaagcg tcctcatcct tggtttggtg attcttctcg ttcagagatg ttcccaaaca 300
agaaacaagc tgtgcaagat cctgttggtan gattaggaaa atcaaagtgt ggtcttctct 360
tgtgggaaag ctcatccggt ttttcaatcc ggtttctaac cagtttatgg gatcggtctc 420
caaggagctg aaatgcctcc aaganct 447

<210> 8622
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-G1

<400> 8622

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tccacaacga tgacgacgag tacgaagaag gacatagcac tacgagtaca gactactacg 180
acgcttcaac gccgttgagc tcacacgcgt caagatccgg gaacgggtcc ggctcgggtc 240
agttaacggt cgtagacctt cttgcggcgg ttctgaggaa gtcgttggtg atgtcgtgtg 300
cgatggagag aggggaagat gacgtggtgg cgtctatgga tatagggttg cgcacggagg 360
ttaagcacgt gagtcacgtg acttttgatc gggtcaatgg ttttcttggt cctccttctg 420

agctcgaacc ggaggttcct cctcgagctc cta

453

<210> 8623

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<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-D4

<400> 8623

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aaatcgattc agagagagag agagatagca attttcttct gtagtgttac tttctgagag 120

agtctggaga gatcgggtgtt gagatttggg taaatggaaa cgagggagag agatctagaa 180

cgattgatcc cgatgcataa atccggagct tctcctcgcg acgtcgtttt gtctgttccg 240

ccgtctcctc tcgcttctcc gatccacgtc gccggcaaag aggcgattta caaagtcatt 300

agaagctggg cctccaaaaa gttcatgacc ggatgtgtca ttctgctacc aatcgctgtc 360

acattctact tcacgtggtg gtttatacat ttcggttgat ggattcttct ccccgatcta 420

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<210> 8624

<211> 451

<212> DNA

<213> Arabidopsis thaliana

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<400> 8624

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gagagaaacc cagagcatgc tattggaaag aatagctagt gaaatgaatc ggctcaagtt 180

ctatatggct catgcacaga acctgccttt cattgagaac atggagaaga ggattcagag 240

cgctagtgtg ttattggatg ctagcctagg tcattgcttc attgatgggc taaacaacag 300

cgatacaagt gtcctttaca actgcttacg tgcatatgct gccattgata acaccaacgc 360

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tgaacaaca acgaatgctg ctgggaacat c 451

<210> 8625
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-D6

 <400> 8625

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 tgggtctcagt agacagagtt ttcctaaagg attcgtgttt ggaaccgcca cgtcagctta 180
 tcaagtcgaa ggcgagactc atcaagacgg tcgtggccca agcatttggg atgccttcgt 240
 caagattcct gggaagatcg ccaagaatgc cacggctgag ataacagtgg gaccagtatc 300
 accgttaciaa ngaagatgtg gatttgatga agaaactgaa cttcgatgct tacagatttt 360
 ccatttcattg gtccaagata ttccctgatg gaagtggtaa aagtcaactg gaaaggagtt 420
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<210> 8626
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-012-Q1-E1-D8

 <400> 8626

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 tgcttaagtt gagaactgta atggatcctg ctgtacacta caagaaatct gtgtcacggt 180
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 ccaaggtttc tcagtacagg aagcgtaaag ttaaggagat tgaggagaag agtagagctg 360
 ttacaaataa gaagtggaag aaaaagggaa accaaaccac gaacaaaaag caaagaagga 420
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<210> 8627
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8627

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cttggttagaa aattttgaca tatttgaatg gtcaaaatct aaaccattgg aagattggag 240
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tcgaagtagt aatgaggtgg cttcacttgc aaaccacgct tcaaattctt caccaaaagc 360
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<210> 8628
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8628

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gtatttgctt aagtaatttc gatgatttaa cctacttggg gaagggtttt ggatgcctgg 420
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 <211> 429

<212> DNA
 <213> Arabidopsis thaliana
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 accctcccc 429

<210> 8630
 <211> 69
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-E2
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 aaaagggcg 69

<210> 8631
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 8632
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-E5
 <400> 8632

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<210> 8633
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8633

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<210> 8634
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
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<210> 8635
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 <212> DNA
 <213> Arabidopsis thaliana
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cattgatgct gacgctcaca agtctgtctc tcaggattat ggtgtgaggg gtttcccaac 360
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<210> 8636
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-F6
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<210> 8637
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-D2
 <400> 8637

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 tcagtgtgaag gttttcttca gcaaagtctg gaaatgtctt ggggttgaat ctataaagtt 180

tggatctgga aatgtaagca catccgtaag tgttgataat ggcaatgagg gtggtgggag 240
cgacttgga gaccttgtc ctatggagag taactctggc atagtgaata atggagtttg 300
tgccaagatg ggtatgaatt ctctacctc accttttaat atgaatcaag atggtgttaa 360
tcaatcaagc tctgcaaagc tgaaagccga ccttaataga ttaagaagaa agagaatggg 420
canaaatatt tgtgtccgaa aagatgataa taatcn 456

<210> 8638
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-F9

<400> 8638

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atgtgaacat ccatctgaag tgcaacacga atgtatccct caagctatct tgggtatgga 180
tgttatctgc caagcaaagt ctggtatggg gaagactgct gtgtttgtcc tgtctactct 240
acaacagatt gaaccatctc ctggccaggt ttctgcactt gtcttgtgcc atacaagaga 300
gctagcttac cagatctgca atgagtttgt gcgattcagt acctatctgc ctgatacaaa 360
agtttcggtg ttctatgggtg ggagtcaaca ttaaaattca caaagacttg ctgaaaaatg 420
aatgtccnca ca 432

<210> 8639
<211> 277
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-B1

<400> 8639

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gagtcaatta attactatc ttttatgagg agaacgagat cgaagggtta cgagtttcta 120
ttgtatacaa cggaagataa atctatctaa taaaaaagtt ggtgtgttca tttgtaattt 180

ttttccccc tcaagtttaaa agttatgttg tatgnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngggcg 277

<210> 8640
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-B11

<400> 8640

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aaaatgtttt acaagggttca gaaactgaaa aatcaggtag agaaaagtta cacagtgggt 120
ctactgggtcc agttgtaatc ataagggggt tgacatctgt gaaaggcctt gaggggtgtg 180
aattacttga cacgcttggt acatatctat ggcgtgttca tggctctggac tattacggaa 240
agggtgaaac aaatgaagct aagggtttgc ggcattgtgag agctgaagga aaagtttctg 300
atgcaanagg agatgagaat gaaagtaa atcgactctca ttggcaagag aggttgaaag 360
gtcaagatcc cttggaagtg atggctgcc aagagaagat agatgctgcc gctactgaag 420
ctttagatcc acatgtccga aagattagag atgagaagta tgggttgaaa tatgggtttt 480
tgagccccag gct 493

<210> 8641
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-B2

<400> 8641

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tccgccgtcg tcaatggaaa cgagaagtcg aagcccaccg tgtcgtactc tgaaaaatct 120
gagaagtcct ttttcgtctt tgatcaaaag ttgatcgtct ctcatctctt tgtctggtac 180
atggattctt tgattggggt ttcttctca tggtagagtt cctcctaggt cgagatcaaa 240
accttcctag gtgctcttcg ctttcaactgc cccaatctc ttccttctcc gcttgtgttc 300

tgaatcatc atcgattggg gctgacatag aggatgtggg agaagtaatt caaccaatca 360
 cgaatcatca ttcateccgc gatnaggcaa tcttcgtttt tggagcanaa gccagatcta 420
 cangacttgc ctgatacaac acacgttgat at 452

<210> 8642
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-B4
 <400> 8642

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 cgttatcgga tcagaacaaa attttgggaa attcgagggt tccctggatt gttggattcg 120
 attattgttg aaattcgata tgggtgtttg ttgtttgtgt taatcgttgt caaagttttg 180
 atttttttcc tcganaaaat ttganatttt ttcgntcgtc naatcgagag aanacgcanc 240
 cattttacta cgatcaantt caaaccctg aatactgaag cgaaattgag gttaatgggt 300
 agggagctta gggtttatga atgatacagg ggtatttggg atttgacatg aattagggaa 360
 cacgagtgan atctctatct tctccaagat tgtttaaagc ttggggggttn agtttccata 420
 agatgaagat ttgcgntgg 439

<210> 8643
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-B7
 <400> 8643

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 gagttggaga agcgtaatgc ggatgcggtg tttgctttcc agctgaggaa tctgtttcat 120
 aatggtcatg ctcttcttat gactgatact cgtaggagac ttcttgagat gggttacaaa 180
 aaccctattc ttttgcttca tccgttaggt gggtttacia aggctgatga tgttccttta 240
 gattggagga tgaagcaaca cgagaagggt ctagaggatg gtgttctcga tccggagact 300

acagtgggttt cgatattccc gtcacctatg cattacgctg gtccaaccga agtgcagtgg 360
cacgcaaagg ctagaatcaa tgctgggtgct aactttttaca ttgtgggtcg tgatcctgct 420
gggatgggtc atccagtaga naaa 444

<210> 8644
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-B9
<400> 8644

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aggcccgata tagagagaga gtgtgtgtcg ttgacgaagg aggatgaagg aagaggatgt 120
gagctcgag aacgtaaacc ctagaagtaa tcggaacagt gtagcctcag cttctgcttc 180
cgctctgct actccggttg atagggtccg acgacgtgct agatcgctt ctcctcctca 240
aactgctgct gctagctctg caggggcatc atctccagct gttctggtaa acgctggcag 300
tgttgactgg acaggtcatg gactggcatt atcagtgcgt tcgtgtagaa catgggatag 360
aggagattta cttcgacgtc ttgccacttt caagccttca aattggcttg ggaagcccaa 420
aacagctagt tctttggctt gtgcncaaaa angctgggtt aatgt 465

<210> 8645
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-C1
<400> 8645

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ggttactgta acgagtttgg tcaaagggtta cttgtgtatg agtactgtcc taatggatca 120
cttcaagatg cactacattt ggatcgcaag ttgcacaaga agctcacttg gaatgtacgt 180
ataaatattg cattaggagc ttcaaaggca ttgcagtttc ttcattgaggt atgtcaaccg 240
ccggttggtc accagaattt caagtcttcc aagggttcttc ttgatggaaa gctctcagta 300

cgtgttgag acagcgggtt ggcttatatg ttaccaccac gcccaacgag tcagatggcg 360
 ggttatgccg ctctgangt tgagtatgga agctacactt gtcaacgacg tattaacctt 420
 ggggttgtaa tgtagaact gct 443

<210> 8646
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-C10
 <400> 8646

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 tcgtttaatc gtttagtgga actgttgaga aatggatgac aaaacgctgc gtttttgata 180
 aaagagcttc ttgagcttaa cgtaactcac gttcacgctg taacaaagat caatggcgctc 240
 caagaagcgt tcatgaaatc gattaatcgc gattctacat gcgtcaactc gttaatatca 300
 atccaccata tgatcttgac aaatcaagaa accgtatcaa gggttcttga attggatctt 360
 gtgaatataa cagtggagat gctagtggat tcagaaaaca gcgtttgcga gaaagcggtta 420
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<210> 8647
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-C6
 <400> 8647

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 ttaaagctcc aggttttcat ggccaagaaa gaagtaacta tcgttgagat cttctgaaat 120
 taatcagtct tgaagtctct ggagattgtc ttataacatg gactccatgg atattgatca 180
 aagtaacata ggtgaatcgc ctacacttct gctgagacca gtaagtccat tggaatctgg 240
 tgaagggtta cttatgctc ctgagaattg gcctaactct ggagatactt ggcattggaa 300

ggttggaccg agaattagcg gtaaaggcta cttcgtggat agatacttat atcctcctaa 360
 gtatcttccc gggttagata ctgaaatatt gcggaaaaat aagggtgttta ngagcangct 420
 ctcgctccaa cgatatattc cgtgtacact tccctgaa 458

<210> 8648
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-C7

<400> 8648

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 atggggattc cttgtgttgc tgtgtattct actatagata aagatgctct tcatgttaaa 120
 ttagctgatg aagctgtttg tattggtgaa gtcctagta accagtcgta tttggtgatt 180
 ccgaatgttc tgtctgcggc tattagccgt ggatgtacaa tgcttcatcc tggatatggg 240
 tttctttcgg agaacgctct ctttgttgaa atgtgtagag accatgggat caattttatt 300
 ggacctaatc ctgatagcat ccgtgttatg ggagacaaag cgactgcaag agagacaatg 360
 aaaaatgcaa gggttccac tgtaccaagg agtgatgggc tattgcanag tacagaagaa 420
 actgtcaagg tccccaatga naatg 445

<210> 8649
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-C8

<400> 8649

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 gcaagctgct atggagatca ggctcttatt caagaacaaa cctgagaatc ggatcaaaat 180
 cgccaaggcc ggtgcgatta agccgttgat ttctctgac tcttcttcgg atcttcagct 240
 tcaggagtat ggtgtcactg caatcttgaa tctatctctc tgcgacgaga acaaagagtc 300

gattgcttct tccggtgcga ttaagccgct tgtcagggct ttgaaaatgg gaacaccgac 360
 tgctaaagag aacgctgctt gtgctctgct ccgtctatcg cagatngaag gagaacaaag 420
 tcgccatccg gagattcgga gcgaatcct 449

<210> 8650
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-C9
 <400> 8650

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 tttatctaag gaaacaaaaa cagagttttc ttaagagaaa tatcaciaaac ttttgtgaaa 120
 aagagagaga caagatgggg aattacaagt tcagaatttc agagatgctc ccaaatgcat 180
 ggttccacaa gctcaaagac gtgactaaac actctaaacc caaaaacaaa gcttcttctt 240
 ctctctcaaa cacttgtagc aagaagaaac ctctctcaga ttctcttctt caacactctt 300
 atttctccaa cagcttagta gctaacaatc ctctcacca taactcacca agaaactctc 360
 ttacacaaaa aaagatgagt anaagaaaga cactttacaa gccatccctt aaacctttga 420
 ctctctctcc tcttcttigna tctgcaagtt tcaacangag ca 462

<210> 8651
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-D1
 <400> 8651

ttaagaccaa gctcaggcta tcattctctc gttaattagg gttttcttct ctatctcgat 60
 ttcaatacca ttgttgatcc gctgagctag ggttggtcga tcccgataat tgtgtcgctt 120
 agctctgatc tctgttcacg gaatttggtt aatttgtttt gattgggttaa gatacattgg 180
 aaagcgatgc caccgaaggt tgtgaagagg ggaggcgccg cgagaagagg tgggaggctt 240
 acgagatcgg cgctcaaggc gcgaatcct cacgtggaat cttcccatga cgaatctgtt 300

aatatcgggtg agctctcaag ctccgatgca ctggaagcca aggaggtgac tccggagggt 360
gataaaactg ttgaggaaga gaatccatta gatgtgccga agtcacgga ttcaattgat 420
gattctgaag ctgcaac 437

<210> 8652
<211> 399
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-D10
<400> 8652

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ctgaggagcc tatgaacaac aatagcaacg caaacaatc agaggatgga aagaatgata 120
taaccgagtt aacaaattcc ttgaagagca agacgaagga gttgaaaaag cagaaaaaga 180
cacacgagag agtgaatgcg gaggagtata ttgctggtcc atnnnnnnnn nnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 300
nnnnnnnnnag aaaagattga aacttatcta tgctcaaac tgtaaaaaca agttaaatct 360
ttatttcagc cgtcaagtta anaaaaaaaa aaaagggcg 399

<210> 8653
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-A8
<400> 8653

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aaaaaacatc ttgtttctc tgccaatctc aattctctc ccaaccagaa aattctctca 120
ctctctctcg atttcggga aatggatttc cacagcctt tgagaaggga tcttcaattt 180
ctctgcaaga ggaacaaaat ccagctaata atgaccaata tcgcatggc tgatgctctc 240
aaatctcttg agattgttga tggctctgat gaatacatga atcaatctga atccagtgc 300
ccgcattctc caaccagtgt agcaaagctg ccaccaagca ctgcaactag aacaactcga 360

cggaagagc acaacaaaag ctgagcctca ngccatcatc tcanttgggt gtcccgttcc 420
 tgtccgttcc gacgaagcaa gtctcttngc tggaga 456

<210> 8654
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-010-Q1-E1-G12
 <400> 8654

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 ggtgctaaat actccatcaa ggatgatctg cttgatgaga ctgatgtcga tgatgttgtc 120
 gtttcccttg ttaatcttgc tagagccggg gaactcgaag attatcagag ttccagaaaag 180
 aaggaactca agaacttcaa agaaaatctt gtttccttct ggaataatct cattatcgag 240
 tgccaaaacg gaccattgtt tgatagagtc ttgttcgaca agtgcattgga ctacattatc 300
 gcactgtcat gtactccacc cagagttttac cgtcaaactg ccacgctaata gggcctccaa 360
 ctagtcacag ctttcaatt 379

<210> 8655
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-G2
 <400> 8655

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 atcctgaagg ttcacgatac cagcttcttc tctcatgtcc ttctggcctc tctccgtctc 120
 aggtctcagt ggatttctcg aaatcgcatg atcggattcc tcgtcaagat cctgggtctag 180
 aagattctat ttcacagggt tgggagcaga gatcacaggg aaattcatca ttgttcaatg 240
 gccaaaaatt taggtatgga ggatattgtt tagatgatga tgatggtagt accaatgaag 300
 tgccacacgt ttgtcttcgt cttggcctga cagattacag gacttttgta ngaacgaatt 360
 tgagttctct gtgggagaag ttccttggtta catcaganga tgactctgtt aaatgtcgac 420
 acacctcaag tcattgggga aatgggtgca gttatccgaa aacttct 467

<210> 8656
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-G3

<400> 8656

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 actcaccgat cgtaggtctg gcgatgcaga caccgtcctc aggagttggt gggaagagga 180
 acatgagcag aatcaataac actcctggat ctggtgaggc tctcttgaga ggccaagtca 240
 agactctctt gcagaagggt gaggaagaag cagatctcac caagatttcg ttggaatctc 300
 gtcctttcat ccatctcggt acttctccca tgggtcttct cgccccaact cgggccaaca 360
 ccccccaagt tcttgggttt ctcagacgaa gtgcaggttg tgatnacttc tccggtagtt 420
 gcaggacatt cagagcaccg tctcaggtgg tggaaaa 457

<210> 8657
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-G4

<400> 8657

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 aaaggagctc ccttttctat ctctaaggga aaatgggtag caagatgttg tttagtttga 180
 caagtctctg acttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnngagg actcaatgga ctcagctcag ccctggaaaa tcgatttctt 300
 tgagaagaag agtcttcttg ttgctgcta aagccacaac agagcaatca ggtccagtag 360
 gaggagacaa cgtcgatanc aatgttttgc cctantgtag catcaacaag gctgagaaga 420
 aaccanttgg tgaaatggaa caa 443

<210> 8658
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-H1

<400> 8658

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ctttaacag ctgttcttgt cgttctcttc tegtcttctt cctccttcgc ggccnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac ctctttgatc 240
atcgatggca aaagagagct tctttattct ggctctattc attacccgan aagcactccg 300
gaaatgtggc caagtatcat caagagagcc aagcaaggcg gtttgaacac gattcagaca 360
tacgttttct ggaatgtaca tgagcctcaa caaggaaagt tcaacttttc gggacgagct 420
gatttgggtga 430
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<210> 8659
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-H10

<400> 8659

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aatggcgact gaagatgtgc aagatcccaa gaatcgctaa gattgcctct tccattagag 120
tcatncccg cttccctaaa ccaggaatca tgtttcagga cataacgacg cttcttctcg 180
acactgaggc ctttaaggat actattgctt tgtttggtga tagatacana catnaaggca 240
tatctgttgt tgcagggtgt gaagctacag gtttcatttt tggcnctcct attgccgttg 300
gctantgggt gccaaatttg ttcccatgan gaagcccaag aagctactgg gaaggttaat 360
tccgangagt tattcggttc gncgtaagga acanccnccc nttgangatg cccctaagtt 420
caac 424
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<210> 8660
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-H2

<400> 8660

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tctatcctcc tcttaaatat cactcttata tttatcctcc taaaatcttc ttaattgtat 120
ctaattcttt tctcaaaaac caancactat ctctcgatta tatcacaagg agatatgggg 180
aacagtgaaa tgtcagcgag tgaggttgcg gcggccaagc agaagaacgt cgacgattgg 240
ttaccgatca catcttccag aaacgctaag tgggtgtact ctgcttttca caatgtcacc 300
gccatggttg gtgctggtgt tcttagcttg ccctacgcta tgtccaatct cggatgggga 360
cctggagtga cgattatggt gatgtcatgg atataacgtt gtacacactg tggcaaattg 420
tggagatgca tgagattggt ccanggaag 449
  
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<210> 8661
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-010-Q1-E1-H4

<400> 8661

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ggcaatgggt tgatatatgg aatgcccttt atcgagagcg tgtaatcttc attggacaaa 180
acattgatga agagtttagc aaccagatat tatcaaccat gttgtacctt gatactcttg 240
atgactcgag gaggatttat atgtacctaa atgggtccggg tggatgatctt actccaagtc 300
tagccatcta tgatacaatg aagagcttga aaagtccggt tgggacacat tgcgttgggc 360
ntgcatacaa ccttgcagtt tcttcttgcg gctggagaaa aggtcaccga tttgcgatgc 420
cantatcaag atcgccctcc agtcacaacc ggggtgcagcc cgtgg 465
  
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<210> 8662
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-A1

<400> 8662

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ctaccggaga ctctttctcc atgcggtagt caacgacgga gaagcagctg cgactctaac 120
ccacctgagt tcgagttctg gcgtttaact aactcttcat ttctcaagc tgattcagat 180
ctcctctccg ccgacgagct ttttcacgac ggtgttcttc tccctcttga cctcctctcc 240
gttaaatacag agcttcagtc cgacccgaat atcgcagaat gcgacccgga tccatctcct 300
tcgactggta gtttgattac agagcaaaaa agtgatcttg aaccgggttt aggattcgag 360
ttgacccgag aaacaacggt ttcgaagcgg tggagagata tttcaggaag aagcgaaacc 420
aaaccgcc 428
  
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<210> 8663
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-011-Q1-E1-A5

<400> 8663

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tgctgtctcc tgatatgggc actaacgctc aaaccatggc ttggattctt gatgagtact 60
ccaagtttca tggtcattcc cctgctgttg tctactggaa gccattgat cttggtggtt 120
cattaggtag ggaagctgcc acaggtcgtg gtgtagtatt tgccaccgaa gctcttcttg 180
ctgagtacgg gaaatcgatt cagggtttga catttggtat tcaaggtttt gggaatgttg 240
gaacatgggc tgcgaagctg atccacgaga aaggcggtaa agtggttgca gtaagcgaca 300
ttactggtgc aatcaggaac cctgaaggta tcgacatcaa cgctctcata aaacacaagg 360
acgcaactgg aagtctcaat gatttcaatg gtggagacgc tatgaattca gatga 415
  
```

<210> 8664

<211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-A7

<400> 8664

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cataaccatg gcgaatcctg ctccgaatct agaatgtcgt atgtacgaat cgagataccc  120
tgatgtagac atggcgggtga tgattcaggt gaagaccatc gctgacatgg gagcttacgt  180
atctctcctt gaatacaaca acatcgaagg aatgatcctg ttctccgagc tctctcgccg  240
tcggattcgt agtatcagta gcttaatcaa ggtcggtcgt accgagcctg ttatggtcct  300
tcgtgtcgat agagagagag gttacattga tctcagtaaa cgtanggtta gtgatgaagg  360
acaaagaagg cttgtgaagg agaaggtata ataaagagca agccttggtc actcctaaca  420
atgcgtcaag tt                                                         432
  
```

<210> 8665
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-A9

<400> 8665

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gcccacgcgt ccgcgagcag cctctgaact acgctagaag ctacttagcg gatctgctgg   60
agccttggtg taaccgtgtc atatacttgg attcggatct tgcgtcgtc gatgacatcg  120
ctaagctttg gaaaactagc ctaggctcga ggataatcgg agctccggag tattgtcacg  180
cgaatttcac gaaatacttc accggaggat tctggtcgga ggagagattc tccggtacct  240
ttagagggag gaagccatgt tacttcaaca caggtgtgat ggtgatagat cttagaagaat  300
ggagaagagg tggttacacg aaacgtatcg agaaatggat ggagattcag agaagagaga  360
ggatttacga actangctcg cttccaacgt ttcctctant ttt                                                         403
  
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<210> 8666
 <211> 472
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-011-Q1-E1-B1

<400> 8666

ccgtagccgt ccgaaaattc aagggtcnac ccacgcgtcc gcccaacgcgt ccgctaattct 60
tctcggttgc atggcgctgc aattaatggg ttctgctaata tacggtttga aacgttttag 120
tgatagttaa ggttacttga atagagctaa taggattctt gtgaagttag aggcggatgg 180
tgattgtgtt gtggaagacg ttaggcctgt ttacacgcgt gtgcagcttg agcttgctaa 240
tgttaagaat gctatgggaa ggagagagga agctattgag aatttgaaga agagtttgga 300
gataatcatg gagatagcgc gaaagacgaa atgaaagaag cgaaaagact tcttgaggat 360
ttgcgattga aggcctgang angtgtatca acgaataaag cttctgaata angctttanc 420
tttgcccaag ccaagccatt catccttaat gaagctttgt gaaagtctca ac 472

<210> 8667

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-F7

<400> 8667

gcggacgcgt gggcgacgc gtgggcaaaa ttgcacttcc ttcaaactta ttcgacagta 60
gactagctca agtacctttg gatggcgctg aggcccgag ctcttacgga gtggccatgg 120
agtccccctg gtagcttcaa gtacctcttg gtggccccgt tggatgatggc gagcatgcac 180
tcgtacgtga cggctgtgga tgaggagaaa gacctcagca gacttatgat agtcgtgttg 240
atgctgtgga gaatagttca cagccagata tggatcagcg tgtctcgcca gaggacggct 300
aagggaacga acaagatcgt ggacaagccc attgagtttg agcaagtga ccgagagcgc 360
acttgggacg accaagtcac cttcaacact ctctcatgt atctcgcaaa catcaagctc 420
caaggc 426

<210> 8668

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-B1

<400> 8668

atngttgtga tgaacaaaac gaatctcttg ttgcttattc tctctctttt tctcgccatc 60
aacctctcct ccgctcaact ccgcggcgac ttctacgccg gaacttgtcc gaacgtcgag 120
caaatcgta gaaacgcggt acagaaaaaa atccaacaaa ctttcaccac cattccccgcc 180
actctacgcc tctattttcca tgattgtttc gtcaatggat gtgatgcac agtgatgata 240
gcgtcgacaa atactaataa ggcggagaag gatcatgagg ataatttatc gttggccggg 300
agatggattc gacaccgtca ttaaagctaa agaagctgtt gacgcggtcc caaattgtcc 360
gtaacaaagt ttcttgcgct gatattctca cgatggccac tcgtgaagtc gtttaattct 419

<210> 8669
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-B2

<400> 8669

ctgttacggt tgcgccgncc cgggtccaaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agtaatcacc 180
ggangaatgt tatgcatgtg gaanttgtta ttgagcaagt tncgggagac gatcgaagaa 240
gtggaattgc gaatgatgcg gtgttggtta atgctgagaa tgatttgagt gatgganttg 300
cgtanatgga taattatnac atgttttttg atgatgtaca agtcnatgac gatgtttgtga 360
atgttgaatg ggaagatggg antgggtttg agtttaggtc aanagtttga gagtaagcnn 420
gaagttcaag anttanttga gaaagctgag ncttccgaac tatttttgagg ccgcnaataa 480
tc 482

<210> 8670
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-C1

<400> 8670

ntttgccggg cctggtctan nactaacggg tcgacgcacg cgtcnnncna cacgttctgg 60
ancttcccag ctctacactt tcgctgatct tgatatcggt ctgccgaaaa cagtagaaaa 120
catggagaag aaggttgaag cactgattga gccaccacca ccaccagaag ctatggatat 180
atctgctatt cacaacctgc ttccgccgaa tatcgcagtt ccttcaggat ggaaaccagg 240
aatgccagtc gaattgccta gagatttacc attgccacct cctggatgga aaccaggcga 300
cccagttgtg ttaccgccac tggagtcaat tgctgcacct agagcagagg atcatcaaca 360
tatgagacct tctcaggac tccacagacc gcctgatgtc atacagggtcc gagctgttca 420
acttgacatt ttggaggatg atgatagcag tgattacagc agcgatgatg caagc 475

<210> 8671
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-C4

<400> 8671

aattaacggg tcgacccacg cgtccganca acctgacccg tctgggctcg ccgcctccta 60
tatctcttct ctctcgatta atatctccaa gagcaagctt cgttttcgtg tgggtgctgtt 120
tctaattgtg attttttaat attgcatcaa aatgtcgaag aagaggaagg ctcgtagcgg 180
ctacttgaag aagtcatcac aaggaggaga cgaagctgtg gtacagcgaa gaaaactagt 240
tccaaaacct ggtaaaattg ggaaagagat tgatgatatc ttgctggga gatctcagag 300
gacgccagag tccaanaatc ccgagtcgaa gagacacgcc agaaagccca agtatccgag 360
tcgagagaca ctagagctga gatgaatgag ctcaatgttt ggggggtcaat aacaacactg 420
aaagccgacc taaggacnag aattctcagt aacgacacgg 460

<210> 8672
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-D2

<400> 8672

cttttacctt gcccggnccn ggtccaaaa ctancgggtc gaccacgcc tccngctcga 60
cncgtcgtcg gcggcggtgt aaaaatagtc ggagctatgg cgatgcaggc cggagttggc 120
ttatccagga tctttctctt agccggagca ggttacctg gtacgatcat gatgaagaat 180
ggaaaattgt cggatttgtt ggggtgaattg cagagtttgg tgaagggaat ggagaaatct 240
ggagaagggt ctgagggaga ttctgatgtt tctgatgcta tagctgcaca ggttcgccgg 300
ttggctatgg agattccaca gctagcttcg cagcaacaca taacgggtcat gaatggagtt 360
tctggtgact ctcttgttt tttcagcaaa cctacaagcc cttgctgttc ctgctgcggc 420
attgggaact ctngatattg gttaaattgt gtggaaggga accctcatc actggaccct 480
tatg 484

<210> 8673
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-D3

<400> 8673

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cacaccgaca tgtctagatc cttagctctc gtttacttng ccttactttg tcttcaaacc 120
catctctcaa tctccgtcac agttccgatt ccgtcggtaa acggcgaaat cgacgcaatg 180
ctgaaccgga acggcgtaat cggagaggaa gaaggagagg agatgatgcc atcggagata 240
agtcggagag taatgatgat gcggaaacag tacataagct acgaaacttt aaggagagat 300
atggttcctt gtcagaaacc aggtgcttct tattacgctt gtcgctctgg tcaggctaatt 360
gcttacaaca gaggatgtaa gtgtcattac tangtgtgct agagacacta ncgacatcaa 420

<210> 8674
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-D7

<400> 8674

gaaatcataa ccggtggaaa tggaccagct cttctcataa atggtgtcaa aaggccaatg 60
ccacttggtc ggattttgga agttgaattg tatcctactt tgctttcaaa agcccggagt 120
tttggctctga gtgatgaatg gatccaagtc ctagtcaaga aggatcctgt tagacgtcaa 180
gttctgctg ttaaagggtt cctggcagga tcaaaagctg aaaaccttct tgaacaaggc 240
gatatgggtc tggcagtcaa taagatgcc gttacatgct tcaatgacat agaagctgct 300
tgccaaacat tggataaggg tagttacagc gatgaaaatc tcaatctaac aatccttaga 360
cagggccaag aactggagct cgtattggaa ctgataagag agatgggaat ggaacgacaa 420
gagtg 425

<210> 8675

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-010-Q1-E1-D8

<400> 8675

tactttcccc cagcccaggc acaaagtcaa nagacncccg ggtcgacnca ngntcnata 60
gcaactncag ttncgtacaa caatggctct ccaagctgcc tattctcttc ntccttctac 120
catttcaatc caaaaagagg gcaaattcaa tgcttctcta aaggagacga cttttactgg 180
ttcttcattt tcaaaccatc ttagagctga aaagatatcc accctgttga ccatcaagga 240
acanagaaga cagaaaccgc gattttccac cggtattcgt gcacagacag ttacagccac 300
gccgccggca aacganngca tcgccgggag catanganga ctgatagaaa angcactgca 360
gtgatcactg gagcttcgtc tggtttaggt ttagctacgg ccaaagcttt aggcagacac 420
annggaaatg gcatgtgatc atggcntgca gggaactttt cncaagnccg agaacggcag 480
cnatatctgt t 491

<210> 8676

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-010-Q1-E1-E10

<400> 8676

ggctctccgc accatgtgaa aggttggtgt agtggcaaga actctttcga atctgaacgc 60
cttaagctct gagagacgag cttttccag aaaattccca ttacctaatc cccaggattc 120
gatgaacca gaaatgatgg ttttcgaaag gctctagctt tctcaaatcc agattttgct 180
gaggagctcg ttgaaagaat gcaaaataga ccatctctct cttgtccttt gtctttcaga 240
tcgtttctct ttcaacgtga tattagagta caatacnaga taccgtgagg tcctttgtat 300
tattggacct tgagttgtct tgtctaantg ggaataacct ttccaagtga anattttcct 360
gggcagttca tcnagtgaac ttttttgggc ccgt 394

<210> 8677

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-010-Q1-E1-E2

<400> 8677

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acagatcgag cgcccaaag gattgccgtg tatcaggatg gctaggtgac atagatatgg 120
agactgagac aatgcccctt cttacagaat tcagttacga cttagacagg tccaatgcac 180
agacattcga cattgcagac tctgctcact caggacttgt caacactgtc aggctagact 240
tcaattccaa ccattggaagc tcttcacaca cttgcatcta ccgcttcagg gttcatggcc 300
gtgaactaga ctcagtctcn gttgctcatg cntgatctga aagtccacgt caaacttttc 360
ttntctccttg taaacattcc cctctaatag aatatncgc cntctttttt tgtgtagtt 420
taaggtggng ggaaaancct tcncttagg tcttggtaan catcaatc 468

<210> 8678

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-E3

<400> 8678

tcncgtggtc gacgcacgcc tchnaaacttn gncantacat ggggtgccatt ttgcaggaaa 60
cacaatatag agccaaggaa ccctgaggcc tacttttgac agaagcgtaa ctttctcaag 120
aaciaagtca ggctggattt tgtgagggaa aggaggagag tgaagagaga atatgatgag 180
ttaaaggcca gaatcaactc attgcctgaa gcgataagga gaaggtctga tgcttataac 240
gtgcacgaag agctaagggc taagaagaaa cagatggaaa tgatgatggg aaacaatcca 300
caagaaactg ttatagttcc aaaggccact tggatgtcag atggttctca ctggccaggg 360
acttggctct ctggagaaac cgataactct cgaggagatc atgctggaat cattcaggca 420
atgttggtct ctccaaatgc agaaccagtt tatg 454

<210> 8679
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-E6

<400> 8679

gcgtttgtag aagcggtagc cggaaaagct gtgacgtacg gtgatgtagt gagggacaca 60
aagaggctag ccaaagcggt gacatctctc ggactaagga aagggtcaagt gatggttgtg 120
gtcctaccaa acgtcgccga gtatgggatt attgcccttg gtattatgtc tgccgggtgga 180
gtcttctccg gtgcaaatcc gacggctctt gtttccgaga tcaagaagca agttgaagct 240
tccggtgcta gaggaatcat cactgatgct actaactatg aaaagggtgaa atcactaggt 300
ttaccggtag tagtgtagg tgaagagaag atagaaggag cagtaaaactg gaaagatctt 360
ctagaagcag gagacaaatg cggagatacc gacaatgaaa gagattcctc agacagatct 420
tgtgca 426

<210> 8680
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-010-Q1-E1-E9

<400> 8680

tccaanaact cgcgggtcgn cgcangcctc tngntnnatt catagtctct cgattcccgc 60
cgcttcttgg ttttccggcg gaaccattcc tccgacgaag gtgagagttt ctccgccgca 120
tcatctccgg cgacctccca acaggaattc ccatcgcttg gccgccatta atgccgcttc 180
tcgctctgtg agtgagctan gtggaggagg atgtgttgca aatgttcatg aaagacagag 240
aagaaaatgg agatttcata tctaaagttt ctgataggct ctgggttaaag gagattctcg 300
aatctattga tggttaattcc aatggagctt cttcttcagc tggtgaacta gatgatactc 360
gggaaaagct tgatanatgg ccgctgatga tggatgaana gttggggttc ntganacctt 420
annnccgacn canggatggg antggttggg ganagtgatt ctggccccc 470

<210> 8681

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-010-Q1-E1-F1

<400> 8681

ttacgcttgc cgnnggccgg tccaaaaatt aacgggtcga cccacgcgtc cgngcagaac 60
cgtcgttgat tgaagaacat tccgatcatc agccatcatc tgaggggatg aagaacgaag 120
aatgttttct gattgatcac ctccaattag gattgactgc tcttcagaac ttgottacaa 180
agtatccaga tctggcttca gtgttttcgt ctaaggagag attgttacct ctctttgaat 240
gtttttctgt ggccattgca tcaaaaacag atattccaaa actctgcctc aatgtcctct 300
ctcggttaac agcttatgct ccttgcttgg agacgatggt atctgatgga tctagtcttc 360
ttctctctt acaaatgctt cattctgcac cttcttttcg cgaagggtgc tctccatggt 420
ctttatgctt tgggcaagca caccaagaac ttgcttgggg ctgctgcaaa acatggtgga 480
gta 483

<210> 8682

<211> 486

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-A4

<400> 8682

ttttacgttt gcccnngggccc ggtccaaana ttaacgggtc gancncgcg tccgaagaac 60
nctcacaact agagctctca ngctctctcag gaagcttgca acaaactgtg ggagctcgat 120
ttaaaccgcc ttgttctctgg aagggattat caaatcgact gcggagatgg gaaaagggtc 180
catgagagag ctgatatggc tgaaggacta ctgttctctt gggtgagcga ggaagtctct 240
agaaaaccga ctttcgccag attctgttca ttgcttgaca actacaaccc caacgaacgt 300
tacaaagaag tggtcacana agaagagagg caagagcaag cggctttcat tgaatgaaat 360
tancanaacc tctgtgatca agtaccttca caggtacctt gtgctcaagg acgtcgctcc 420
tggaagcta cttanagttc aagagaatgt tgacaagtct ctggttcgat ctgtatggcc 480
gcggag 486

<210> 8683
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-F1

<400> 8683

gcggacgcgt gggctcatcg tctctgactc gctgcactta gtttcagatc atataaacga 60
atgttgatgat tgatcgggtgc atgacgagcg catcggaact cttctctaca cgangatcac 120
gtccgggtcg atccgacccg gctttagaat ccgacannnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntaatca gcgtcatgat tccgacggct 240
gtgatcctct ccggcgaacn cactccccgt ctccgacgct tcnttaacaa tccgattcag 300
gaacngtngt agacctaatc cctgaagttt caaagggcaa ctagtcagnt antnnaaata 360
angggatagg tactgggata ctggnaaact caagagt 397

<210> 8684
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-F11

<400> 8684

gcggacgcgt gggattttct ttgctagtat agattgatga aagtgaggaa atgggagaag 60
aaatgaagaa cacaggatgt gtcttcttct tctaagtcac taacaaaatc aacaaagagg 120
agaagccatt attatataat agagagattg agagaagaga tttatccaaa aaaatattgc 180
aattcttctt ggagtgaata atgccagtcc ctcttgcacc atatccaaca cctccggcac 240
cggcactggc tccgtcgtac aacactcctc cgggcaanat ggaagtacaa gtgggcagag 300
cccagttagt gtgttcaggt tgcanaaacc ttctgatgta tcccgtcgga acaacctccc 360
gtctgttgcg ccgtcggtaa cgnccgtcac ggccgntcct ccgcccggga ngtttaatgg 420
cccntttggg aa 432

<210> 8685
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-F7

<400> 8685

gcggacgcgt gggctctggt atactgaaag aggagaaaag gaggtgttta cattgtgttg 60
tggttggtgg tggaccaact ggtgttgagt ttagtggtga actgagtgc tttattatga 120
aagatgttcg tcaacgatat gcccatgtta aggacgacat tcatgttact ttgatagagg 180
ccagggatat tctttcatcc ttcatgatc gtctcagacg ttatgctatc aagcagttaa 240
acaagtctgg agtacggttt gtgcgaggga ttgtgaaaga tgtgcagtct cagaagttaa 300
tacttgacga tggcacaaga ngttccctac ggactcttag tgtgggtcca actgggtgtg 360
gtccttctcc ttctgttaag tctcttggtc ctccaaaaag atcctactng gaaggattgg 420
catttgacna atgga 435

<210> 8686
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-G1

<400> 8686

gatgccattt tccgcacaa tctcatcgcc ttcttcttct gtcgcgcttc ttcgatcgcc 60
tctctctttc ttcattctca ctcccaaac cctaattctc accagaacca ggatctctgg 120
tttcccttat cttgcttccc ggcgatcccg cgatttcac aacgggaggg atgatttcgc 180
tgacgatacg aggagctgga accggaagat caaacggag tatgggttcn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntgg atctgttact 300
tagatttgta gaaaatgttt tcagaaagat ttctaagaga gcaaggaaag ctgtccgatc 360
aattttgcct ggtttcgatn tctacnaagc tcgttggggt ttcagtgaat ggag 414

<210> 8687
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-G11

<400> 8687

gcaaattgag agagagcgcg cgacaaaatc gaacctaac ctaattttgc gatttcccc 60
taatttcgac gatctgatgg tgagtgacaa gcatgtagaa tcaaaccacc gcaaacaccg 120
acggtcgttt tcgccgtccg acgaggtctt taaatctccg aagcggcaca agtcccgtca 180
tcaccatcgc aggcattggc accgtcatca tcgtgatgag gaagttcaat ataacgatga 240
tgagaatgtt aacggtgggt atcttgatat ggaagaaggt gagatattag gaaaagaang 300
gattggggag ncattgaaga agaaattagn atccgtcgac gagttttggg gatataaaat 360
ctggtcaatt tccgggagaa tantctgggg gagaaatcag cggagggaaa ganantgtgn 420
gaaaagaaaa ggaga 435

<210> 8688
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-G3

<400> 8688

cgtgggggttt cgttttcctg tacctctttt aagaataaaa aaaaaaaaaa gaaatgggaa 60
aaatttcatt agcgatatgt ctaacgttgc ttgtcacatt aagcactgtt tatgaaacac 120
aagggacgtt ctccattacc ctttacttga aaaatttccc caaactgggc aaagactatg 180
aggctttcgc aaacaaaggt atatcggaact ttttgggtga cctagagggt atgtgtccta 240
aaaccgcaga gttcaaggat ttctttgaaa acttgaanga ttacatggcc ttcttcantt 300
catcancacc cgggtcacaa nnacaccaag ttcgagaagt tcgtaanatc tgaaanance 360
tgttcnangc ttgtctgctt tcaacaggtt ntaangggng gaacatncga ggattccttg 420
aaacctgggt ggat 434

<210> 8689

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-G6

<400> 8689

ggcctgagaa gactaaggaa agtgatggta gtccatggga gttcgttggt ctggtgccac 60
tctttgacct cccaagacat gacagtgcgg aaactattag acgagccctt gagcttggtg 120
tcaatgttaa gatgattacc ggtgaccaac ttgccatcgg tattgagact ggtcgtaggc 180
ttggcatggg aaccaacatg taacctacca cttcactcct tggcaattca aaggatgaat 240
cattagttgg catccctatc gatgagctca ttganaaagc tgatggattt gctggagtct 300
tcccctgagc acaantatga gatcgtaang aagctacaaa gagaggaagc acattttgtg 360
gggatgactg gagatgggtg aaacgatgct ccagctttga anaaagcgga tattggaatt 420
gcattgcaag a 431

<210> 8690

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-G9

<400> 8690

naaatcagnc canaaaacgg aaagcaatcg acgccggaca tggctcgcag ccgacggcgt 60
atcgaggctc agatggtgta gatctttctc tccttgaagc acttgagang tcntcgcata 120
atggagtana agcgcttgat cttaaaaccc taaaaaagct tgtcctctcc ttcgagcggc 180
gtcttagaga caacatagct gctcgtctca agtatgtgga gaatccagaa nagttcgtcg 240
actcagaggt tgacctacac gacgatcttc agaagctcaa ggtgctcgtc ggagctccgg 300
aactttaccc ggaccttggt gcttccaana cggttccttc gantgtcaat cncctctctc 360
atgaaaacgc cgatatcgcc aanga 385

<210> 8691

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-H1

<400> 8691

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aaaaatcaaa ttcagaggca aggaatatct tatcccgac cgctccatca gtattctccc 120
tgactgcaaa accgttggtt ataacaccgg ggagatcatc tctcatcata cttcaagaaa 180
cttcatgaaa tcgaaaaaag cgaataagaa ctttgatttc aaagtgttca ccgagtcagt 240
gccaaagtaag atcaagggtg actcttttat acccggtgaa ctctacggct tgaccaaaga 300
tgagtctgat tacggatggt acacaacaag ctttaaaata gatgacaatg acctctctaa 360
gaagaaaggg aggtaagcct aatctgagga ttgctaatac tgggccaacg ccttgccatg 420
tagggctcaa tgggagaaat accttggaac cgacatggt agccatgaag gagaagagtt 480
cctccttcaa naagcccag 499

<210> 8692

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-H3

<400> 8692

gaaagagatc gattgtgaaa gaatcaaaat ttgttgagat aagacatggt gttccgtggc 60
gacacggtgg tgtccgtagc tcatatatcg gctgagattt ttcagcgatt acggtggatt 120
ccgccgtcgg atogaatcag cagcggagag atgttacaac tcgtttgttg ttttccgctt 180
cagcaactgg gtcgattcgt tttatggttc tggaactata tctgtgttcc acctccggag 240
attttgtatt ttgatggtcg tcgtgatgat gacgatgatg gttatggntc atcttcgctg 300
tcctcgaatg ttactcatca tcataattac taacatcctc atttggagtg accaaagttc 360
cgggtttctg atttgttgtt gtaaangttt ttaatttccc gtttttgtgc acagaaagat 420
cagttttg 428

<210> 8693

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-H5

<400> 8693

tntctagccg gccggtaccg ggaentaaat tncgcggnc gaccacgcg tccgaccacg 60
cgctccgctaa ttcaaatttt ctccattctc tcgttccaat tattatttac ttttttcacc 120
caataaaaaa aaaaccatgc attcacttcc ggtgaatctc gtntcaccg tacttacggg 180
gttcctaaca tcaccggcgc aagttatcgg ataccgtcca tatccaccaa aaaccaacgg 240
ctccgatcaa atcttcgacg cttcaaaaaa attcgaaggc tcatcgaatc tcgtccgcct 300
ccgttaccac atgggtccag tottaaccaa caacatcacc gttcacccaa tctggtacgg 360
cacgtggcaa aaatcccang aagaaaatca tccgtgagtt cattaactca atcctcagcc 420
gttggattcn aaacaccctt caagtctccg ggttggtggg aaaaccgtta caagccttta 480
cactggacca aaaatgg 497

<210> 8694

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-H8

<400> 8694

cgtccgactt ttctcaccat ctcaatctcc agacaaaaag aaacaaaaaa tggattcttt 60
ttcatattct tcgatgaaat ccatgttgat tcaagctcgt ggctcggtga actcgcggtt 120
gtcggagttt gagccactgg ttctgctatt ggttccgctt gtctctcngt ttctcgctca 180
gattatcgga tctgtgtttg gcgttggtca cgagaaaggc ctcaaagctt gtcttattgg 240
gtttatcatg ggactcctca aaatgattcc tggagttcaa gaattacatt gatgctgana 300
aacannaggt tgttgaccaa ttacaatctg gtagcagctc taagananag aataagactg 360
aagtantgcc agtaaaangt ctaagagttg aagttttana gaaaatggag gaatgacaag 420
aag 423

<210> 8695
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-A1

<400> 8695

acacagcata gaaataatcg aaagatttct ttttaaaatc tgggatttgt tttttttggt 60
cattgatcat tttcgattgt tagagaagaa tcaaattggcg atggctatgg atcggatcgt 120
cttctccctt tcattctacg tctatcgtcc ttgtcaagct aggggatcca gatcttccag 180
agtttccatg gtttctacga ttcgctctgc gactacagag gttacgaatg gaaggaaact 240
gtatatccct cccagagagg tgcattgtcca agtcaaacat tcaatgccgc cacaaaagtt 300
agagatcttt aagtcttttag aaggatgggc tgatgaaacc ctgttgactt atttaaaacc 360
tgttgaagaa atcgtggcag cctaccgant ttcttcccga acctgantcg gaaaggattc 420
catga 425

<210> 8696
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-010-Q1-E1-A10

<400> 8696

gatcaaatcc atcatccatg gatttacctg aagaatgttg ggaattaatc tgcaaagcta 60
tcgatgaaga cgattatcga ttcctggaat ctgtttcact cgtatcaacc ttgttctctt 120
caatcaccaa tcgcgttcgc tctactttcg tcgtcaccga tcgagctgtt cctttactca 180
atcgatcatct ccttcgatcc cgcaacttga agcgaatcag gttctctgat ttcactcagg 240
atctcaattc gattcttctc cagggtttctc gttccggttt ggatttcgaa tcggtagatg 300
tctcgcanac gcgctatttc ccagattttg agatgaagaa tgtcaaggaa tttgaaatgt 360
tatngagtgt gaggttttag tgatanccat ntgggttcca tcgggagtga anttccg 417

<210> 8697
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-E8

<400> 8697

tttagccgnc ggtaccgaac anaaattcnc gggtcgaccc acgcgtccgc nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc aaatctcgat ttcccaaaaa aaaaaacctt 120
atctcgccgt actctcctcg gttccatctt tctctgcggc cagtacgtgt gcagatatgg 180
ctaccgaggg agttgttctt tcagcgcagg atattgctgc tgaatttgtg agacagtact 240
atcatgtttt aggacagctt cctcatgaag ctcgtaggtt atatgttgat gctagtgttg 300
tcagcaagac ctgatgttac tgggtactaa tgatgtcttt tacttccgtt gaggctatca 360
acaagcatat cctgtcctgt gactttgana atactaaatt tgagggttctg agtgttgacc 420
ccagaattct ttgggaagat gggattttta tnaatggtga tnggttcatt actgggaaa 479

<210> 8698
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-A12

<400> 8698

attctagtat tcgtttcaca gtacctgcct catgtgatca aatcagggaa aaatgtgttt 60
gaccgatttg ctgtgatatt cgcgggtggg attgtgtgga tctatgctca tcttcttaca 120
gttggtgggg cctacaatgg tgctgcacca actactcaaa caagttgccg gacagatcgt 180
gctggaatca taggtgctgc cccatggata agagttccat ggcctttcca gtgggggtgcc 240
ccatcgtttg atgctgggag aagcttttgc aatgatgatg gcttcttttg ttgctctagt 300
tgagtcaacc ggtgcttttg tcgcggtgtc aagatacgca agtgcaacga tgttgccacc 360
ttctaatttc aacccccgta attgctggca agganttcca atcctgataa caaggattgn 420
tttgaacc 429

<210> 8699

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-A2

<400> 8699

ggaacgattt agatttaatc gggaaaaagt tcagtcagt acactaatgt tcgaatcgaa 60
catggttctt caaacactat cttcttcttc tctccaatt caccgtctct atcttcacca 120
ttctcagatt ctcccttctt ctgggtcacc cagcaagatt tctcttcaga tacatggaag 180
gactttggcc attcgatctt ttcatgaaat ttctgctaga ggtttaccgg ctttgaacaa 240
agcttccttg aagaagctac caatcaaagg atctacctt ctgctggggc agagcttggt 300
gatggtttct gctcaccac agttggcagc agcagcanga aatcataaag cctgaaccga 360
tttacgaagt tggagagtta tttgaactta ngtaatcagc tttcttaact tgctgttacn 420
actgggggtt gcttggagtt ggtact 446

<210> 8700

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-A9

<400> 8700

aaccgaaaat tcccgggncn acccacgcgt ccgcccacgc gtccgnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctatggatc ttctctttct 120
ctttttctct cttctcctct cttacctctt tttcaagatc tggaaactca tagactcaaa 180
gcaagacaaa gattgctaca ttttagacta ccaatgtcat aaaccaaccg acgatcgaat 240
ggtgagcact caattcagtg gagagatcat ttatcgaaac caaaaccttg gtttaaccga 300
atacaagttc cttctcaaag ccatagtaag ctcagggatt ggagaacaaa cctacgctcc 360
aagacttgtc tttgaaggtc gagaagagcg tccttcgtta caagatggga tctccgagat 420
ggaagagttc tacgtggaca gcatcggaac actcctggag agaaatca 468

<210> 8701

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-B1

<400> 8701

tgtttgccg gcccggtccg aaataancgg gtcgacncac gcgtccgccc acgcgtccgg 60
ggttttgtca caggctcgat tccgtcacca agccaaacca gcgttggttc agacattgat 120
gggtcaacat cggcttcacc caatcctgag tactacacct ggttcaagac agatcgagtt 180
gtcaaactct ggctccttgg ttctttctta gaagatatc tcagtgttgt ggtcaactgc 240
aacacttctc atgagggtatg gatctctgta gcaaaccact ttaatagggt ttctcctct 300
aggttatttg agctgcaaag acgcctccaa aatggttagca aacgtgataa atctatggat 360
gaatatctta aggaccttaa gactatttgt gaccaactag cctctgtagg aagtcctgta 420
acagaaaaga tgaagatttt tgctggcttt gaaatggggt tagggcgaga gtatgagcct 480
atcaa 485

<210> 8702

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-B11

<400> 8702

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tcatcaaagt atgattttga gttgaacata atcattcagg aatcaattag aaattcagct 120
gataccatgt tggttaagcag tcctgatgca ttggtggtat ctatttccag tgaaggggtg 180
ttggacagag acaaagatga caagggcgac gtaaaatccc tttcttcacc tcgtgaaagc 240
agcgtaaca attatgcgat agattgcctt gaatctctca aattcacata caaggtgccg 300
tggccgcttg agcttattgc gaacagcgag gccattaaga agtataacca ggtgatgggg 360
aattttgtta aagtcaagcg agcaaaatat gtgccttgat aaggcacaaa ggttaagttg 420
aaagggtaaa ggct 434

<210> 8703

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-C4

<400> 8703

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ctcgtangct ctgttgaaag agattactgt tctctcataa gaaccgtcct ggatatgatg 120
gtagagagaa atttgggaaa agaagggtctg ttgaacaagg agtccttaga tatgctggct 180
gatattcagc tactgaatcg cgctatcaaa aggagaaaca caaaaatggc tgaaactctg 240
atccattatt ccgttaatcc ctctactaga aacttcatct tcttgcttag tatcgtgga 300
cctggcgata tcacaccttt gcatttggct gcttccacat ctagttctga tgatatgatt 360
gatgcctga ctaatgatcc acannagat tggattatct tgctggaata ccctagtccg 420
atgcancccg ggcanactnc cnttanccta cgctgncaa tgagaganca nccacagtta 480
caacaccttt ggggtggctcg 500

<210> 8704

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-C5

<400> 8704

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ggtcgagccg atctatgatt aagggttcaaa gtataagctt cactgataag tcatggggtc 180
ctcctctgct gagactagat tcgaaatcta gaagcttagg tgtgaaaaaa catgtccaca 240
atatgcatgt cacttcagca atcaagcaaa tccaaagtct tggttactcc tctagaactt 300
gaagatccca nagagactcc cttaaacttg tttaggccta aggagccnta tactgcanct 360
attgtttccg gttgagagaa ntgttggtcc acaagccanc tggagagac ttgcccaatg 420
ttattgattc atgatggtaa ggcccta 448

<210> 8705

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-C9

<400> 8705

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aaagtaaagt tatgagagct taataatggt tgtctcatct tcaagcttca gatctgattc 180
cttgtttcta caagtaattg tctctttctt tttcgattaa ccaccatttc tgtgaagaaa 240
acctttttgc ttgcttcaag attcgagtga ggaaaatttt agctgaaaat gctgaaattg 300
gaagtcccaa tgctctgttt ttccgtacga atactacntg taataatctt ctccgtgagc 360
ttcaaaaaat atgggttgaa attggtgaga ctgagactga gaaagataga atgctaagga 420
attangagag agaatgtcct caaaa 445

<210> 8706

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-D1

<400> 8706

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nnnnnnnnnn nnnnnnnnnn cttgatgcct cgtgactgca accaaagcaa tttaaaaccg 120
ccgcannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn ncgccatgcy ctcgccgat gctttccgta acggcgatc 240
tccgacttta cgggaccata ctcaactcca ctcaaccgta acagctcaga aactccgctg 300
annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nncgcggctc cgcttctcct caatgggtac gatttcgacg 420
ctttcagatc cgtgggttggg gggaaaacgc gatcgtgggc gtttaatactc cgtgtttgga 480
aatggggaac ttgcgtttgg gaa 503

<210> 8707

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-D11

<400> 8707

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ttcggttgcc aattnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn tcaccattta tgggtccacc aatggcggca ctgatcggag 240
gaattctaata ggcttttaggt attcgaggtc tccaatggcc aatggtttcg aatcgctgt 300
taatcctgag attgagagat ataaagcaga gatcaacaag cttcaaaaat cagaatcaga 360
aatcaaagc tctttcagta aattatgccg gctctactaa aagagaaaga ggatcagatt 420
tccagattga accaggagaa tggctccctt gaaacagaat ttgacntcaa ctaatgccg 479

<210> 8708

<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-D12

<400> 8708

gcnccctctt ctgccccctt tgtaaattcc caatccaacc cttctctctt tctctctccg 60
tctttgcccc ttcccccaat ttcttcttcc cgattctctc ctttcccttt ttctttttac 120
ccgccaaaat cacatccacc ttcactaacg gtccttccc caatttccat ttcccatttc 180
attcatactc gaaaccctag atttctaatt cctggatcgg tgcttggate ttcttcagtt 240
ttctcgtgtt ttggttgata ccagaattt gattcaactc caaattctcc gttttttctc 300
aaagagtaag ttgctgtttt tcgctgagga attcactgtc cagtgaatt gacgatgcac 360
aagattaagc tagacgaccg tactgataat gtgagagaga ataagttcnt tgtacaagtt 420
ggttgttttg aa 432

<210> 8709
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-D4

<400> 8709

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aggagacttt gaagaagaaa gaaaacattc aaagctaaaa aacgcagcgt tttaggaaaa 120
aagaggtaga gagtgattct ggctttccca acaatggaag ctttcagtct ccttaactac 180
tggaanaaca gtggtggtgc tgtaactttc cttctcact cctccgaatc ttcttcttct 240
tctctttgcc gttactccgc cggatgaatc atcggaacca ccaccattgt cacctctgtt 300
accgaaactg aggacgaaga agctgatgaa aacgacgacg aaggaccgtt cttcgacctt 360
gagttcgctc ttccagccga agaagaagac acagacggag gagtcnagaag agagggagac 420
tcccgantgt acggacggtg gttgtgagtt taaattcact cctctcctcc ttgtttccgg 480
aagaagaaga ttcaant 497

<210> 8710
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-D6

<400> 8710

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tcgcagaaca gtacaacgga aaattgagga gcggaactaa aagttgggga cgtgaagcag 120
gttttagggg tgcaaaattt gtctatgtcg acatgtacaa cactcttatg gatgttatta 180
aaaattatan aagatacggg ttttctaata agaaaaatgg gtgttggtgt atgattacgg 240
ctataatacc atgccccaac ccagataaat acgtcttcta cgacttcggt catccatccg 300
agaaagctta cagaacaatt tctaaaaagc ttgtccagga tatcaagaat ggccttgcc 360
gatttattat atatacnatg ctttantttt aaattttaat aacagccatc cgттаатant 420
aagaaatg 428
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<210> 8711
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-H9

<400> 8711

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ccttgntcg tacggtccga tnattnacgg gtcgaccac gcgtccgcaa acgcntgggc 60
ggacgcgtcc gcggacgcgt gggctctttc ttanggttct tgtttcgcta tctcttaaac 120
acaaacagct ctgtcctaataaatctctctt caagtacctc tttttctga ttctgtatat 180
cnccatgaat tactgatttc cctctctata aacctatnaa agtaaancaa tttctctgt 240
gacttgatcc taactcgatc ttaccagact ggtgatggcg tctttgaacc ctttcgatct 300
tctaggagat gatgctgagg attnaagcca actcgctgtg gctttgtctc agaaagtcga 360
gaaagctgct gctgctgttc aacctcctaa gggcgctaaa ttcncaacca aacngntnc 420
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<210> 8712
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-F10

<400> 8712

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acttagaaag aagcaacatt tgggtgttct actatgcgtg tgggtgtttgg tgggtggattg 180
gagcaaagca gaaacagagg aaagtgatgg aagtcctatg gagaaaacag agcaagctgc 240
tctatactct accattcaag gctttgttgg tgaatcttgg aatggctctt atctttatcc 300
tgacccttgt ggctggactc ctatccaggg tgtgacttgt gatatctatg atgagctttg 360
gtatgtaact gctctaagct ttgggactat gaaagacaac tctcttgctt gttctgaaag 420
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actg 484
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-F12

<400> 8713

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tatcccttat cctcctcatc tcgttcacaa tcgcagcaat gatgtgtttt tctttacact 180
gggtcaaggga aatttcatgc tagcacaacc gatactttgg actatgtcgt gagtcaagcg 240
aatctcacgt cagaaaacct caggaatgtg tcagattatc ttaatgcagc taagaagggt 300
gatgtgcaat ccagcatttt gccacaagat gttctctcga gtatcgacaa catacaggga 360
aagataaact cgtccgccac aactctttct gtgaaaacaa tggagaacca angacaagat 420
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acaaaatgtc ttgggcatca tgaagacttg ctcccgatcat catcgctgct gtgatgcctt 480
tccctgcg 488

<210> 8714
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-F4

<400> 8714

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caatcagtca atcatggcta gctctggaaa caagaacatc aacgccaaat tgggtattact 120
aggagatgtt ggagctggaa aatcaagtct tgtgctacgg tttgtgaaag atcagtttgt 180
tgaatttcag gaatcaacca ttggtgcagc ttttttctct caaacattgg ctgtgaatga 240
tgcgactgtg aagtttgaga tatgggatac agctggtcag gaacgatacc acagtttggc 300
tccaatgtac tacanggggtg caactgctgc tantantgtc ttgacattac taatcaagcc 360
tcattttgag aaggcgaaga aatgggttca ggaactgcan gcacaanggt aaccctaata 420
tggtgatggc ccn 433

<210> 8715
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-F7

<400> 8715

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aaatttcgat tcttttcgta atccattgga ctctttctgt ttctgaaaga gagtgtgtgt 180
ttttgcggtg atgggtcagc aattgcgtcg agctgttggg aaaatcaaag aagttgagag 240
atcatcacca tcaagagtct ccattgatcg gagatcgctt cctacggagg agctcagtgc 300
cgtgaaatcg tctccgtcta ctgccgccgt tgatggagtt tctgataaag gtcgaagaac 360

cagtgaggat aatgttttag aggaacgaga cccaagtatg atacaatggt gaaccaaagt 420
 gggtgggaaa ata 433

<210> 8716
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-007-Q1-E1-F8
 <400> 8716

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 agtgctggta ataaagtcag ttacaaagat gctgctatcg aactcggaac cgaactggta 180
 tcgagaaata tcgatcttgt ctatgggtga gggagcattg gtttaaatggg ttgtatttct 240
 caagctgttt tcaatggagg tcgccatgtc attgggggta tccccaaagac actaatgcc 300
 agagagataa caggagagac agtgggagaa gtgaaggcag tagcagacat gcaccaaagg 360
 aaagctgaaa tggctaaagc actctgatgc cttaaatcgc tttacctggt ggggtatggg 420
 acacttgaag aac 433

<210> 8717
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-G10
 <400> 8717

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 atgcaatggt tgcacggggc ggtcttccac tgcaggactt ggagtttgtt caattccatc 180
 caactggtat atatggggcc ggatgtctca tcaccgaagg atctcgagggt gaagggtgta 240
 tccttagaaa cagtgaagggt gaacgtttta tggaacgata tgctcctaca gccaaaggatc 300
 ttgcatcaag agatgttggt tccagatnca tgactatgga aatcaggga ggtcgtgggtg 360
 taggaccgca taaggatcat atctatctcc atctgaatca tcttcctcca aaaagttcta 420

aaagaaaggc tcctggaaat ctctgagac cgctgccatc ttgcccgggt gttgatgtta 480
ccaaaag 487

<210> 8718
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-G2

<400> 8718

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acccccctgga tccgggattg gttcttctgc tgctgaggca ttaggaaaaa agagcactgg 180
taaacatcag tcatctcagt ggtggatgga agaggatggt ttgtttaatc tagacgatga 240
agggagatca gagaaacaaa tgtgtgctat tgctgcatcg aacgttatcc gcaacttctc 300
cttcatgcct gataatgaag ttgtaatggc tcagcatcgc cattgcttag aaactgtttt 360
ccagtgcata cagcatcata tgaccgaagg atgaagagct ggtcacaaac tcgctagaga 420
caattgtaaa cctancgcat ttgatggatc ttcgaatttt cagctcgctt aagcagtcac 480
a 481

<210> 8719
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-G6

<400> 8719

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gcaggagtat tanccccagg aanaagagag ataatgaccg acgtgatcct tctcacaggg 180
aattcagtca tcgggacaga gatcgcnagt ttaccgtca tggaagtgga aaaatgagca 240
gtganangtc ggagaggcaa gagagggacg gttcaagggg taggagacaa gcaagcccta 300

aacgaggagg gagccccggt ggcgggangg gaangaattg aaggagagga nggcaaagga 360
 ttgagcantg gcacaagaga accgggaang agaaaggaag nanggaagga gcataaaaaa 420
 cagttngttt actccaaatc acaa 444

<210> 8720
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-G8
 <400> 8720

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 ttctcatggt gattctaattg ctggtaatgt cgtagtcaa agcatagaga atactagaga 180
 agaagattct ggttcatgtg aaggctttgt tgaagagagc aaaagactgg aaccggaaca 240
 aaaaaagcat ggtaaattt ttttctatga cacaccgctt tctgaggaaa cgggggtttg 300
 gatacctgtt tcagtcaccac ccatgttaga acctgatcat gaggaatggt caagaaggtc 360
 ttaagttcaa tggtnnggtac tccctgaagg agatatgggg atngggacca agatatttga 420
 tgaagataag g 431

<210> 8721
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-H10
 <400> 8721

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 gtgagagacg gagatggagg caagacgaaa gcggcatctc tctgccgtcg ggacccgacg 180
 gacgtaagcg gcgagtcagt tacttctacg agccgacgat cggagactac tactacggtc 240
 aaggccaccc gatgaagcct caccggatcc gtatggctca tagcctaate attcactate 300

acctccaccg tcgcttagaa atcagtcgcc ctagcctcgc tgacgcctcc gatatacgcc 360
gattccattc gccggagtat gttgacttcc tcgcttccgt ttccgccgaa tctaagggcg 420
attcttccgc tgcacgaaac ctaangggat tcaatgtccg tgaagattgt cctgtcctcg 480
acggactt 488

<210> 8722
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-H4
<400> 8722

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gaaggcggca aaggctgtga agtcttgtca agccttcaag aagaaggaca aaaagattag 180
gaccaaggtc accttcaca ggccaaagac tcttaccaag cctagaactg gtaagtacca 240
aaaatcagcg ctactccaag gaacaagttg gatnactaac aaatccttaa agtaccactc 300
accactgaaa tctgcgatga agaaagantg aagacaacaa caatcctggt ttcaattggt 360
gacaatcntg ctgacaagaa agaagantaa nggtgctggt taagaaagat gtttgacatc 420
caangancaa gaaagttgna cacactcatc aanggcctga 460

<210> 8723
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-H5
<400> 8723

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ctgcttctct caccgaacca tcttgaact ctccaatggc tcattgggtc cccatttttc 180
ccgcctttca ccgtcgtctc cactttccga tgtatccatc actctcctga tttccagcaa 240

gaatctgatg atctccggaa gttgttacca aaagggtttg aagtcattgg aggtctgata 300
attggagatt ctgatgctga agaaaagcgc atttgaggcg gttcgagctg ctcgtagatt 360
gcgaaagcaa ttatctgaaa ggtgggagaa ttangatgat gaaaagaata gtttgggggc 420
taagttgcc aatgtaggca ctggtaacca ttcacntttc atctctaaaa agtgaaa 477

<210> 8724
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 8724

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acagggtcga gtgactcagt gctacaaaag acattagact atgcttgtgg aaatggagct 180
gactgtaacc caactcacc caaaaggctct tgcttcaatc ctgacaatgt tagggctcat 240
tgcaactatg cagtcaatag cttcttccaa aagaaaggctc aagcttctga gtcttgtaac 300
ttcactggta ctgccactct taccaccacc gatnccagct atacaggatg tgcattccct 360
tctaagtgtc agtggttcta atggaagcgg tagcancaac gtgacgcaa ggcaaaaaac 420
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<210> 8725
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-007-Q1-E1-E8
<400> 8725

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aaagcaaaaa agcttaaagt tatgaaccaa ctggttgaag gccatgactt aacaactcag 120
cttcagcaac tcctctctca acccggtcc ggtctagagg atctagtggc taaaatctta 180
gtgtgtttca ataacaccat ctccgttctt gataccttcg aacctatctc ctctctctca 240

tccctcgccg ccgttgaggg atctcaaaat gcttcatgtg ataacgacgg caagtttgaa 300
gattccggcg atagtcggaa aagattggga cccgttaagg ggtaaaagag gatgctacaa 360
aagaaaaaag agatcggaga cgtgtactat agagtcgact atacttgagg acgcattttc 420
ctgggaggaa atatg 435

<210> 8726
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-007-Q1-E1-C2
<400> 8726

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cctctccggg gccagatcga tgcttcgagc tgcttctca cgcagcgccg ctgcttctac 180
tgggcgcttc gcctctcaag cgaaatccgc tccaccattg tttagagcca ctgccagaag 240
aageccactg ctttctctc tccgaaatcc tgtggaactg agcttctgtg tggagtcatt 300
gttaccatat cactcggcta cagcttcagc gctaatactg tcaaagcttt ctatctctgg 360
ccaaacctat ggctggctct ctgacgcttg caaagaggac ttttgatgat gtctacgcgt 420
acccaatg 428

<210> 8727
<211> 462
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB24-007-Q1-E1-C3
<400> 8727

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attcatcagc agccaagcgt gctagaactg acggggggcg tagagaagat gattggatct 180
gcccgaagtg tggcaatgtc aacttttcat tcaggacaac ttgcaatatg cgtaattgca 240
ctcagcctaa gacctgcaga tcataatgga aagtctgctc ccaaacctat gcaacatcaa 300

caaggtttct catcaccg gggcatactt aaggattctg ggggggtcccc cctccaagtt 360
 atatatgggg cgggggtcaac catatgggat tctccctcct cctttaaatg ggattcgtcc 420
 aatgcctcct taanaacgtc ccaattttcc tgggggggttc gc 462

<210> 8728
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8728

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 cattagactg cagagagaat catttgaagc caatatggaa catgaacgat cagcgttaca 120
 ggaaaaagtc aaacttgagc aatctaaggt gattgacgat cttgaaatga tgagaaggaa 180
 tcttgaaatt gaacttcagg aaagaaaaga acaagacgag aaagatctac tagacagaat 240
 ggctcagttc gaggacaaaa gaatggcaga gcttagtgat atcaatcacc agaagcaggc 300
 tttgaacagg gagatggaag aaatgatgtc caaaaggagt gctctccaaa aggganagtg 360
 aagaaattgc anagcacang gacanactaa aagagcagca ngtta 405

<210> 8729
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-C7
 <400> 8729

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 cggtgaaaca tgtgccggag tcagttctgc cggtaaacc accaaagagg aacaattatg 180
 cattcgctg tgctatctta gttccatga cttctatcct ccttggttat gatataggag 240
 tgatgagtgg agcaatgatt tatataaaga gagatttgaa gattaatgat ttacaaatcg 300
 ggattctcgc tggaagcctc aacatctatt cacttatagg atcttgccgc gccggaagaa 360

cctctgactg gattggtcgg cgttacacta tcgtgttggc tggagccata ttcttcgccg 420
gagctatcct tatgggattg tcccctaact acgcttt 457

<210> 8730
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-C8

<400> 8730

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ccaaagctac cattcccatc ttccctcaact ttacggtcac ggaatccttc attcccgagt 180
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aactgtgcaa gtacgaatca ggagcttggt gttgatggag aaaccggaag tgggtcgatt 300
tcggagctcc aaggagatgc agcaaattggt tcgatttcgc cggtggaagt ggaagcanaa 360
gtagaagaag tgaaggtaga tgatttggcg actcagagca tttggggaca gatgaaagag 420
atcgatcatgt t 431

<210> 8731
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-C9

<400> 8731

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ttcgtgtagc taaagcgaag cgagcgaaga acgatggaag caatccggtt tacgcgaagc 180
tcgtgatcgg aacaaatggc gtgaaaacca gaagccaaac cggtaaagat tgggatcaag 240
tgtttgcttt tgagaaagag agcttaaact cgacctcgct tgaagtttcc gtttggagtg 300
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tgtcgtttga tcttcaaaga ggttcctaag agagtgcctc ccggatagtc ctttggctcc 420
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<210> 8732
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-D10

<400> 8732

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caagaattct caccaactcc atccttcate tggtttttct ctgaatccaa atgctcgttg 180
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cctattcgtc ggagggttta ttttggggcg acttatagtc ggtgccctcg gatgtgtata 360
tgcaccacag atnancaagg ctatagctgg agcanaccga aaggatntca tgaggaagtt 420
gcctaaattc atatatgacg aagaaaaaac ttttggagaa aacacgtnaa ggggtactaac 480
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<210> 8733
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-007-Q1-E1-D5

<400> 8733

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gcaagagtac ttagtcgatg gctacttcaa aaccaccaag tgtgatgacc ctgaactcaa 180
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gcgtctagac atctgcaacg atgcagtgc cgagatggca gtagaagcct ccagagcctg 360
catcaagaac tggggacgtt ctatttccga cataactcac gttgtctatg tctcctcaag 420
cgaagctcgt 430

<210> 8734
<211> 436
<212> DNA
<213> Arabidopsis thaliana
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gagggggaaa ttgcactact tagtcagctt gagcatcaga atattctgcg atatcgtggc 180
acagacaagg acgggtcaaa tttgtatatt tttcttgagc ttgtaacaca aggatccctt 240
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atccttgacg gtttgaaata tcttcacat aaaggtttca ttcacaggga cattaaatgt 360
gcaactatat tgggtggacgc caaatggcac cgtcaaactt gcagatttgg gattggcaaa 420
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<210> 8735
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-E10
<400> 8735

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ccgtataagg agtttgtag cgtttggtt gaagcttctt cagatccaga tctcggatct 180
aaaatcgca agatgcttga tgattcagca aacgtcatcg ttttgggaga ttccgtttgt 240
attagacctg atcaggtact ttcttcgttc ttcttctcta gccttttagc attttgaaat 300

cgtgctttgt ctctgagatc tctctgagta ttgcagctga ttgattggga gagataagag 360
 agagatttaa aaactctctg aaaaaaacgg attaagttct caaaaagttt ttgttcgatt 420
 ttgattttgg aagctatacc ggaaactgga taccaatttt aatccgttgg gtccctttcc 480
 ntt 483

<210> 8736
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-E11
 <400> 8736

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 caatggcgcc acaagaacaa gcagttttctc aggtgatgga gaaacagagc aacaacaaca 180
 acagtgacgt cattttccga tcaaagttac cggatattta catcccgaac cacctatctc 240
 tccacgacta catcttccaa aacatctccg aatcgccac taagccttgc ctaatcaacg 300
 gaccaaccgg ccacgtgtac acttactccg acgtccacgt catctccgcg caaatcgccg 360
 ccaattttca caaactcggc gttaaccaa acgacgtcgt catgctcctc ctcccaaact 420
 gtcccgatt cgctctctct ttctctcgcc cctcctttcg gcggcgcaac cggcaacggc 480
 cgcaaaaccc 490

<210> 8737
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-E3
 <400> 8737

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 acggtggaaa cgccgccgga gcaagaatgt cagccaccgc agcatcaagc tacgcgatgg 180

cattagcaag acgtcgcgaa aagaaacgac acaatggaat taacagtcac agacatcgag 240
aagctcgaac nagtcttctc acntncacaa gtacnaaact tcttcgcgaa tccaaggaat 300
cacgcgcgan gaaganacgt caagtcctcg acnacatagt ngaaatcgtc gtctcttcaa 360
agctcacaca tcnaangtcc tnaacgtcgt cgtcgcgcgc aantcgggat nantancctt 420
gacggagatc gttaangagt tt 442

<210> 8738
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-007-Q1-E1-E4
<400> 8738

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actgcgccgg gaagacatgg acaccgagat ggagacagaa caaatatacc aggtcgatgt 120
cggaaatctc ttggctttca atcccaatca ccgcttccca tctgctcctt cttcaagggg 180
ggagcttgtg aaggagatcc taacggaggg aacaaaactt gttcaggaaa tagccaataa 240
acttttcaac tttccttcta ctgaaacaaa tgatggctct attgtccaat tgctccgcc 300
tacaacaaaa cttcctagag agaaacatat tccaaggcct aagcctccta cgaagtggga 360
agagtttgcg ctttaagaaag gtatacaaga agcgcaagaa ggaaaaagtt gtatgggatg 420
aacaaactaa tcagtttaag cgtcgccatg gttatgaccg tgtaaacgat gataatgatg 480
ttccc 485

<210> 8739
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-E7
<400> 8739

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gaacaactgt gacggcgctg cgttatgcc aactctctgag atcttattcg acctcgttta 120
gggaggagag ggacaccttc gggccgattc aagttccttc cgataaattg tggggagccc 180

agacgcagag atcgctgcag aacttcgaaa tcggtggtga gcgcgagcga atgcctgaac 240
 caattgtccg cgcttttggc gtcttgaaga aatgcgctgc caaggttaac atggaatacg 300
 gtcttgatcc gacgattggg aaagcaatta tgcaagctgc tcangaagta gctgaggga 360
 agctcaatga tcatttcccc ttgttgtctg gcaaactggt antgggactc agagtaatat 420
 gaatgcc 427

<210> 8740
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-C12
 <400> 8740

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 gacacataaa tcgtaatcca ttttctctca actttaggaa tctcaaactc ccgatttgga 120
 aatccggcga caatggtgag agatattgaa gatgagatta gagacgagaa gaatcctcgt 180
 cctcttgatg aagatgatat cgctctcctc aagacttatg ggtaggggcc ttactctgca 240
 cctatcaaga aagtggagaa agaaattaag gatctcgcca agaagatcaa cgatctatgt 300
 ggtatcaagg agtctgatac tggtttagct cctcccagtc aatgggatct tgtatctgat 360
 aagcaaatga tgcaagaaga gcaacctctg caagttgcga gatgcacaaa gattataagt 420
 ccaaactg aaagacgcca aatacgtcat aaatgtcaaa acaaattgcn aagtttgttg 480
 ttgggccntg gcg 493

<210> 8741
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-H1
 <400> 8741

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cgatccagtt tcattctctat taacaaagat cactccttcc ctgcttcaa ttttagtttc 180
tattgttggt catctctcaa tcgtctcttt cgatattttc tcaggaaaat ctttacaaca 240
tccgtggaga agcaacacca gaatccgaat tcagcgatgg atccagcgcg gggaaatgcg 300
aaaggcaaaa ggagcttgcg aatttgaaat cgaacaagcg aattgctgat aaaatcaatg 360
cctcaacctc tcaaacttgt nacggtccaa tgnaaaagcc aaagaatttt aca 413

<210> 8742
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-H10
<400> 8742

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aacaatttgt gctcttcttc ttccgtttct tcttcgccgt cagattcgac tgtaactgat 120
tcatgagtta aaagagtatg ttcgatactt gtggcccaaa aggagtcaaa tctcaagtca 180
tcagtggcca acgcgagaaac tttgtgagat agtatggact caaggctactc gcaaagttcc 240
gaaacgggtc taaacaaatg cacattgaat atacaaggag gacctaaacg ttttgc tcaa 300
ggaagcaaag catcatctgg atcttttaag aaagggttta gaaaaggatc agaggggctt 360
tggtctatag gtcgatcgat tggactcggg gtttcgcgcg ctgtgtttcc agaagatctt 420
gaagtatcag agaagaagat atttgattca caagacaagt ttcttttact ctgcaaca 478

<210> 8743
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-H11
<400> 8743

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atthttgtaac anagaaatcg gcgggagtcg tgtgcttttag cccaaaaaca ttggcctcgt 120
tgtccaacgt gtgtatttgg aggaaaacat cattagaggg ccacatatat atctctctaa 180

ttacacttta cgaatattaa acacatttaa ttgtacttaa tcctcgccat aacacttgtc 240
 cattaagtca ccatgtactt gctataaata tgggtcaagtc cagtccataa tatatgcac 300
 tctgatcttt ctgtgtgaga gtaatanaca tgggagctct tgattctctt tccgagtata 360
 tctccgacta ctcccgctc accagaaaaa ggaggaaacg gnaagtcag cagacngtga 420
 atataaagg 429

<210> 8744
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-H12

<400> 8744

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 gaaggaagag acgagtgtca cggattctcg atggcgacgg atcctggatt ttgtgttttg 180
 agcggttatg gaacggagac gcaaggccaa ttccgatctg acggcgagat ttacgatccg 240
 attacgaatt catggtcgac aatcgagaat gtctggccgt ttcccgatctt gaggccgaga 300
 ggctgcaccc ccgcggtgc tgetgaattc cccggagatt ttagagggtg tcggttatgg 360
 tgttttattg atagcgagag acagagtcag cctcattggg aagttgaaga cgattcnatg 420
 aaatgga 427

<210> 8745
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-H2

<400> 8745

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 cccgtcaggg aaagacttaa ttttgnatca agcttccttg gacgcaagta atgggtttca 180

aagtagcatc aacacacaag ccgtgtacca aggggctttg gttgtggagt tctcctataa 240
aaagaacagc tcttgacgga actgaatata atcttttggt attagatagt gaaggaattg 300
atgcttacga ccaaactggt acctacagca ctcaaatatt ctcattagct gttcttttgt 360
caagcatggt cgtgtataat cagatgggag gcattgacga agcttcactg gatcgccctt 420
ctcttgtcac tcaaatgaca aagcatatcc gcgtaaaagc ttctggaggg acgaactc 478

<210> 8746
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-H5
<400> 8746

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gttctttcga ccacacactt ggctgggttca aagagctaaa ccgggaaatt gacggagtca 120
tgaaatcgga ccagaaattc aaccocgggtt tttcctctga cctaaattcc cacaacgtcg 180
tctttggcga ccagtctcag tacgttgacc gaatccaggt cactccattc gggatattta 240
cgaacaagtg ttcggtaaac atgggattcg ggtcaccocg gaaccnaacc cgggtccanc 300
tacantgtcc gggattttgn ccaaaaacgc cnagcgaaaa nnatgnaaag ggatgtcctt 360
cngnncgggt nannaacngg nttaaaaccg ggcncctttc ccgg 404

<210> 8747
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-H6
<400> 8747

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ttgtatccga tgttggaatg aagatgaaaa aggtgatgga atcaactaac atggtagctg 120
ttgattgtga gatggttctt tgtgaagatg ggactgaggg tttagttaga gttggtggtg 180
tagaccgtga tttaaagggtg attcttgacg agtttgtgaa accgaacaaa cctgttggtg 240

actataggac agacattaca gggattactg ctgaagatat cgaaaatgcc taagtcctct 300
 cctgtggttag aatatacagg aaactttgca anccctttct ttctacnggg tacgaatttt 360
 gggttggtca caagttttaa cangagattt gggaagtgtt aaagatagat catccta 417

<210> 8748
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-H9
 <400> 8748

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 actattgctt ccaatattaa tgactttgtt catagcacct tccaaggtga aaggtggagg 120
 aatctctttc tcgggttgct ttcagctcct tgggttctgt atattcgagg cgtgtgtagg 180
 actgttttgg ccatccataa tgaagatgag atcccaatac atcccagaag aagccagaag 240
 cacaataatg aactttttcc gcattcctct gaatatcttt gtctgcgttg tattgtacaa 300
 tgtaaagtca ttccctatca cggtcattgtt tggaatgtgc tcgatctcct ctttgttgca 360
 agtctcctac aaangnggct catgatgatt gttgacaaac caaaaacaaa tgactgggca 420
 cccctnaaga aaa 433

<210> 8749
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-A11
 <400> 8749

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 ccatgaaaat atactcggtc ctgttagctt ccttgccgat cttggtggtt tgtattgcat 120
 cagtattggc atatttttct acctactagt gcagtgtgag tacaggatca agaagctgcg 180
 aatgaagat actgttttca ggaagataag gaatcgtcgt aaagctctag atcactggga 240
 taaactgaga agatatgttg catacacatg ggattgcagc atattggtcg atgatgccat 300

caaaacgaca aaggtatcag gaatgtgtgg ttttaacgaga cctccaacat cttctaatag 360
 ctccgaacac ggggaatcga tcatggcgaa caagaagcct aacttangta ttgagaagaa 420
 tgtgatttca caacct 436

<210> 8750
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-A4
 <400> 8750

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 gaagtcgtcg agtcaacaag agcagcatga acagatttat catcaaaaca gtcacttggg 180
 ttctttcaac ttcgccaaat tgtttgattc tgaagcttcc tgggacaagg atcaactggg 240
 agatgtgttg cattggatca ggcaagtagt tggtttactc tgcggattgt tgtgggggtgc 300
 gatacctttg gtaggaggca tatggcttct tctatttctt gcaatctcct ctggcatagt 360
 atatgggtac tatgcattgg ttctaaagat cgatgaataa gactcgggtg 409

<210> 8751
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-A7
 <400> 8751

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 aatattaatt tagtgaatga tggtctgaaa gtattgcatg gttctggcca caaaatcgat 180
 caggtaaata gccaacgggt aacaatttga tgctattttg ccaacgtttt acttggaaat 240
 aattttcatt acagttgaga aataaggaaa atttcgttct ttaatcatat tgaatctcat 300
 ttcttgcctt cactgtgtac ttttgttttc aggttcagtt tgagattgcg atttctogat 360

acatttcgca gcccgataaa aaggaattgc ttcttcaact tctacaatgg atgcctgg 418

<210> 8752
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-006-Q1-E1-A9

<400> 8752

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atttgtctgc cacagattct tatectttaa agaaacagaa gctggggagc gaagttgctg 120
gacgaaaaaa gactttgttt aggagtcaaa gtgctcaaag tcgttcattt agagtccctc 180
agagtgaaaa agaggatgag tcaacttgagg gagttaatat aaaccgatta aagaagagcg 240
ttgcttcatt tcaagaagat aagtatccac ctggaaagaa gttttgctca gatgcatctc 300
ctcgtggaac tagcatgaga aagttttccc caccttttgt accaaatgcc tggagacgac 360
tatctatgcc tgtggagcta aagaaagctc ggttggtttt ctctgaggaa aaagatgatg 420
aanaaac 427

<210> 8753
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-006-Q1-E1-B11

<400> 8753

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gttgaaatgc tcttgagata tattcccaag caacanagaa acagcttggt tanacccgat 120
gctgctggtc cagccggctt aacacctctt catattgcag ctggtaaaga cggttcagaa 180
natgtgttgg atgcgctaac agaagatcct gcaatggtgg ggattgaagc gtggaanaca 240
tgtcgagaca gcacangctt cacaccagaa gactacgcac gcttacgcgg tcantttctca 300
tacatccact tgattcaacg caagatcaat agaaagtcaa caactgaaga tcatgttggtg 360
gtcaacatcn cagtttcttt ctacagacaga naggagtnag aaccaatatc aagtccgatg 420

gcttcagcct tggagat

437

<210> 8754
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-006-Q1-E1-B12

<400> 8754

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ctctaagctt cgttctccgg ttaaaccaat agatgagtca cgagctatcc tctgttcgac 180
cggaacaga ttaagggtta cgaaaacaga aatgacgaag aagccacaac tgaatccacg 240
agtgcagaaa tctccggcga cgaagaagcc cgattccaat ttctcagttt cgactgatga 300
ttcctcttct tcttcttcat cctcggaacg ttcgtcagtg aacacgacaa actctgggaa 360
agtaaccact ccgtcgaaac ggaacggagt tgagaaagct caataatgtc gttgcctccg 420
tcgccg 426

<210> 8755
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-005-Q1-E1-G6

<400> 8755

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gaagctccac agctagcatc cgtgttgaga gaaatgaaga atgttctaga tgtgggttagg 180
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ataagttatc ttgaggccaa gcatctgtta cttctaagtt attgccagga tcttgtatat 300
tatattctaa ggaaagcaaa aggactctct attgatggtc atcctcttgt aaggagcctt 360
gtagagatac gtatgtttct ggaaaagatt cgtcccatag acaaaa 406

<210> 8756
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-E6

 <400> 8756

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cctgagatta ggggactggt gaatacgtca ccgcagttca ctggctctgg agggatgttc  180
ttatcttact gtatggtttt cggaatgtcg ttgatgccat cacctagctg gagattgatg  240
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cgagtcccca angtggtcgt tgagcaaaaag gtcgaatgct tgaancaaag cgggggttct  360
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<210> 8757
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-E9

 <400> 8757

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atctgatcgg agacaagtgt gatggagtca tcggtcagtt gacggaagat tggggagaga  180
ctctgttctc agctttgagc aaagctggag ggaaagcttt cagtaacatg gccgttggtt  240
ataacaacgt tgatgttgaa gctgccaata agtatggaat tgctgtcggg aacactccgg  300
gagtgttgac tgagacgacg gctgaactag ctgcttctct ttcccttggt gctgcaagaa  360
gaattgttga agccgacgaa ttcatgagag gtggcttgta cgaaggatgg cttcctcanc  420
tgtttgtggg gaacttactt aaaggacana ctgttgaggt taatggagcc ggaactattg  480
gg                               482
  
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<210> 8758
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-F1

 <400> 8758

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tccatgctcg tegtctaata gctcacgggtg gacatgggtc acgtcctaac tctagtcttc  180
ttcaacctat atcaaataaa gccagaagc ttactagtca tgttcgtgct tctcctttag  240
agggatggga aggaagagtt aaagttggga tgtcgaattc tgtgacaact gcgattcgtg  300
gaagtcttaa gagatacaga aattgggaga agtaggaata ctgataaagc tgaccgggca  360
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<210> 8759
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 8759

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cgtcttcctc agtctctcaa tttcttccca gattcccca cgcgactaga ttcaatgtaa  180
ctccacggag cagagccgcc accgtcgtcg cgcatccgt caccgaccta gccggggctg  240
acagtacaac aatcgccgta ctccgtggag gatccgtagc agcactcgcg gcgatgggtt  300
ccttaacgga tccggagagg aggcggaaat tgcaggcgga ggaagttggc ggaggcgata  360
aggaggttgt gagggagtat ttcaatagca cgggggttca gaggtggagg aagatctacg  420
gtgagactga tgaagtgaat cnagtacaga aggatattcg actcgggtcaa gctaaaaccg  480
tggnnga                                           486
  
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<210> 8760
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-F12

 <400> 8760

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ggtccanaga ttaacgggtc gacccacgcg tccgaggacg cgtgggctga attctgatcg   60
tatcttcttc tctttaagat tatcatttga atatcttctt catcttcttc tccaagcccc  120
tctctctctg tatcgatcaa tcatcaatag gaggagctag cgaggggatt caataaagag  180
annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  240
nnnnaatggt gatggaggac aacgagagtt gcgctantag agttattttc gacgccttac  300
ctacctccca ggccactatg gaccgccgtg agcgcatcaa aatggagggtc ttcgatgagg  360
ttctccgccg tctccgtcaa tcggacattg aagacgccca tctccctggt tttnaagacn  420
acctctggaa tcacttcaat cgctccctg ccaagtatgc nttgg                      465
  
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<210> 8761
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-005-Q1-E1-F2

 <400> 8761

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tgaaaataac gatggtgata agaagaaatc ggattggctt agatctgttc aattgtggaa  120
ccaatcacca gatccacaac ctaataataa gaaaccgatg gtaattgaag tcaaacgcag  180
cgctggtgcg tttcaaccgt ttcaaaagga gaaacctaa gctgcagatt ctcaaccact  240
tattaaagca attactccga cgtcgacgac gacaactagt tccacggcgg aaaccgtcgg  300
gggtggaaaa gagtttgagg agcagaaaca atctcattcg aataggaagc aaagacgttg  360
ctggtcaccg gagttacacc gcagattctt gcacgcgctt caacaa                      406
  
```

<210> 8762
 <211> 411
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-F3
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 caatttcac gccgggtaag aggtacgttt atatcaaaaa cgatgggatg aagaaagagt 120
 gtcattggagc tggtaattta cttgagtttc aaggaatcag atccgaacaa ttaaaccggc 180
 tttcaacgag gaacccttgt aatatcacta gcagagtcta tggaggtcac acttcgccga 240
 cgtttgataa caatggttcg atgatgtttc cggacatgtc ctacaacatg ttgtctggat 300
 acataccgaa ggagattggt tcgatgcctt anctgtttta tccaatttg ggtcataacg 360
 atatctccgg ttcgattcct gatgaggtaa gtgatctaag aagtttaaac a 411

<210> 8763
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-G1
 <400> 8763

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 gatttcagtc tcttcagagt tctttcgttt tcatcgaaan aatggcgaag aacgttggga 120
 ttttggtat ggatatctat ttcctccca cctgtgttca acaggaagct ttggaagcac 180
 atgatggagc aagtaaagg aaatacacta ttggacttgg ccaagattgt ttancttttt 240
 gcactgagct tgaagatgtt atctctatga gtttcaatgc ggtgacatca ctttttgaga 300
 aagtataaag attgacccta accaaaatcn gggcgctcct gaagttngga agtgagaact 360
 gtaattgaca anaagcaagt caatcaaaga ccttccttga tgcaanctct tt 412

<210> 8764
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-G10

<400> 8764

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aaactttctcc aacctaaaat tttccgaaga agtaagagtt gagcaagtta tcaatggaaa 120

tcgatgaaga agagccaatg gtgttcttgg accgtacaac aagagcaaca cggggtaaac 180

ggatgaccaa gttgctnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnat atgaagcaga acgtgaggtt gctgatgagt 300

ttgacagtga cttcaatgac gatgagcctg agcctgatgc agtcgctgta aatgaaaaag 360

aattgaggga tctgccaaag aagcggctga tttaccctgg gaaaactgct tcaaagaaaa 420

agaaaaagaa gacgaaggta gtttcacaac taagaatata ttcttgagaga tgagaaacca 480

ag 482

<210> 8765

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-G11

<400> 8765

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ctcccaatth ctccgccggc gggaaaacca tgtegcactt cggaagggtca ggtccaccgg 120

atatcagcga cacctactca cttctcgtcc ttaacatcac cttccgtacg actgctgatg 180

atctctatcc tctattcgca aagtatggaa aggtcgttga tgtgtttatt cccagagatc 240

gaaggactgg tgattcgcgt ggttttgcgt ttgttcggta taagtataaa gacgaagctc 300

acaaagcagt ggaaaggctt gatggaagag ttgttgatgg cagagaaata actgttcagt 360

ttgcgaaata tgggccaaat gctgaaaaaa tttccaaagg aagagttgtg gaaccaccgc 420

cgaagtcacg aagatntaga accgtaatcc taagcggagt cntagtccta agaggagacc 480

nttcc 485

<210> 8766

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-G12

<400> 8766

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ctctcaataa tctccttcac aacgtctccc aaaccctaaa cccttattcc ctcatcttca 120

agatcgctgc ttacaaatcc ttctcagaga tctctcccggt tcttcagtgc gccaaacttta 180

cctccaacca agccctctta gagtccttcc atgggttcca cgcctccac atcatcgact 240

tcgatatcgg ctacggtggc caatgggctt cctcatgca agagcttgtt ctccgcgaca 300

acgccgctcc tctctccctc aagatcacgc ttttcgcttc tccggcgaa caccgaccgc 360

tcgaacttgg cttcactcaa gacaacctca agcacttcgc ctctgagatn aacatctccc 420

ttgacatcca agttttgagc ttagacctcc tcgggtccat ctctggggct. aa 472

<210> 8767

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-005-Q1-E1-G3

<400> 8767

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agcatgctgg gattaatgtc ttaatctcca aggaagtgtt aatgggaaaa gcagagtatt 120

ttgagtcttt caagcagaac gcagatgggt ttatctgttc tatattgcct ggaatttctc 180

acccccaaagt ccaatactct cgaggagggc tactagtga gactggaggg agtaacatgc 240

aacatgtaac atcactatct ttctcctat tggcttactc taattatctg agccatgcc 300

aaaaggttgt gccttggtgc gaattaactg cttccccatc tctcctccgt caaatcgcca 360

agcgtcaggt ggattacatt ctccggagaca acccgatggg actgtct 407

<210> 8768

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-005-Q1-E1-G4

<400> 8768

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ggatccccc aagaaaatga gttgctttgg gtgttggtgg gaggatgatg atatgcataa 120
aactgctgat tatggaggtc gtcataacca agccaaacac tttcctccag gaaatgatgc 180
aaggcaccac caagcctctg aaactgcaca gaagggtcct ccagtgtga agttgcagcc 240
tattgaagta cctattatcc cttttagtga actcaaagaa gcaactgatg attttggatc 300
gaattctctc atcgggtgaag gctcttatgg aagagtatac tacgggggtat taaacaatga 360
tctgccttca gcgattaaaa agttggattc taacaaacag cctg 404

<210> 8769

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-005-Q1-E1-G5

<400> 8769

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aatcatggcg acaggaccag ttgttcatcc tcaaccagtt agaggatgatc ccatcgacct 120
caaaaacgca gcagcaaaga atcgtcgtgc tcttggcgac attggaaacg tcgattctct 180
tattggagtc gaaggaggaa agcttaaccg cccattact cgtaactttc gtgctcagtt 240
gctagaaaac gcacaagttg cagccgccgc taacaaaaag gctccgattc ttgatggagt 300
tactaagaaa caagaagttg taagagcgtt tcaaaagaaa gcaagaggtg ataagcgtga 360
gccgtcaaaa ccaatcgaag tgattggtga taagtctgat acaaacga 408

<210> 8770

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-E12

<400> 8770

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acaaaaaaat ggcgactgcg tctctagttc cgacatctaa aatcttctct gtctctccga 120
 aatcctcagc ttcgattaaa gcaaggagca gagtagttgt tgcacgctcg caacaacaac 180
 aacaaccaag aaggagagag cttctgctga aatcggcggt ggcgattccg gcgattctgc 240
 aattgaagga agctccgata tcagcggcgc gtgagggtga agttggatcg tacttacctc 300
 tgtctccgctc tgatccttct ttcgtcctgt ttaaagccaa accttcagat actcctgctc 360
 tccgcgcagg aaatgttcaa ccctatcagt ttgttctacc gccgaattgg aacagttgc 420
 gaataaccaa tattttgtca agtaatactg tcaaacgaaa tgtgn 465

<210> 8771
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-005-Q1-E1-B7
 <400> 8771

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 ctcgtagaag tcgaagtga gcatctcggt gctcacgtcc caatgcacga actctcctct 120
 gtaccgagtc attagactct tgattcgccg gttaaccgcc gaccggagat cttcgccgggt 180
 tagattacga acccagtcgg gattgtattt gggatcctcc cagaatatgt tgtggccgcg 240
 agcgatgatt ctgttagctc tgacgagatt catcatctta tcagccaatg tgtagttgag 300
 tttgccttga tcggactccg tcgcgtagca ttctcagctc ttctcgaata ccgtggcgctc 360
 gaatctcttg acgaaccatt cctaccaaaa cagaatccgt ttaaa 405

<210> 8772
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-B8
 <400> 8772

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntctctc 120
 taccatctgt gtctccttgc cccgccacag atagaaccaa tccaagtgg aaatctcccc 180

cctggttttg atccaagtac ttgccgcagt gtgtacgttg gaaacatcca tattcaggtg 240
acggaacctc tgcttcaaga ggtttttgct ggactgggtc ctgtagaaag ctgtaaacta 300
atntaggaag gaaaaagtct tcttatgggt ttgtgcacta ctttgatcga agattcgggt 360
gggccttgca anccttcccc caaatggaag gcatttgntt gggcaaact 410

<210> 8773
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-B9
<400> 8773

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aatgtcagag gatagagact tacaattgga ggcgacggct agcttcagga gattgctttc 120
aattgagcga aatcctccaa tcaatgaagt tgttcaatct ggtggtgttc ctcacattgt 180
gcaatttctt tccagggatg acttcactca acttcagttt gaggcagctt gggcgcttac 240
caatatcgct tcagggacat ctgagaacac tagggtcatt attgatagtg gtgctgtccc 300
tttattcgct aaacttctta gttctgcaag tgaggaagtt cgagaatagg ctgtatgggc 360
attgggaaac gttgctgggt actcnccaaa atgtcgtgat catgtcctaa gttgtgangc 420
tatgntgtct cctccggntc aantccatna gcnttcnaaa gntctccatg ctgagggatg 480

<210> 8774
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C1
<400> 8774

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ccgaagatga tccagactgt gtatacacat tctacctcag aaccggatcg atctggaaag 120
ccggaaccga ttcgatcatc agcgcaagaa tctacgataa ggacggtgac tacatcgga 180
tcaaaaacct tcaagcttgg gctggattaa tgggacctga ttacaattac ttcgagaggg 240

gtaatctcga catttttcagt ggaagagcac cgtgtttacc tagtccgatc tgtgccttaa 300
acctaaccctc cgatggctcc ggcgatcacc atgggttggtta cgtaattac gttgagatca 360
cgacggctgg tgttcacgca cagtgtcga cgcaggattt tgagattgag caatggctcg 420
ctactgatac ttctccttat gagctcacgc cgtacggaac aattg 465

<210> 8775
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C11
<400> 8775

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taatccacga ttctgattcc gttatttctt ttggaaccc agtttttagaa ttactttcta 120
gggcttgcaa aagctctgaa gttcgagctc ttctcttggt aatttggtcca attagaacta 180
attaatggag tgttcacgaa tcagaactga tgggtttggt tttaggtttc gaaaaaattt 240
gcttttttca ttattatatg tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnttat tcagtggaaa caagagcaat gattcatttt tgtttaatgt tttgaagacc 420
ataccaatna acccg 435

<210> 8776
<211> 397
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C4
<400> 8776

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actctectca tggctggcca taccagtgcc tcatggtgtg tgtgcaaac agggctgagt 120
gactcagtgc taaaaagac attagactat gcttgtggaa atggagctga ctgtaacca 180
actcaccaa aaggctcttg cttcaatcct gacaatgtta gggctcattg caactatgca 240

atcaatanct tcttccaaaa gaaangnnaa gcttctgagt cttgtaactt cactgggtact 300
gccantctta acaacaacga ttccagctat acaagatgtn cattcccttc cantgctaata 360
ggttctantg ggaacngtan caacaacgtg acccaag 397

<210> 8777
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C5
<400> 8777

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gttgttcaag gtcgtgttca attacttggg aatgaagaag agtccttgct taagtctatt 120
gttgaagctc ctaggtttcc gtctcctgcg tttcgggcca catttcaaag accaacatca 180
gaaacccttc aagtatctct caccggagct ttgaggatga aagtggactc gagcgggatc 240
gatataatgg tggcgctata tgaaaacggg ttggtgaatg attgcgctcg aggagagaac 300
tcaggaagag tcttgtccaa tgactacgtt gtaagaaagc tagaaaagtt atgcaccgtt 360
aaagatttaa cgggaaaaaa gacggtgtca gggacagtca nttc 404

<210> 8778
<211> 367
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C6
<400> 8778

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ccttcttatt cttcccctat attcactgcg ataactttgc ctctcatctc ataaattaaa 180
aaaagaacac tcttctcaca aattctttat aattcccctt ttgatgtgta cggacacacn 240
atcgaagcag aagcagnaga agaanaacac ttctatctcc gccgccgcgc tcgtcgtcat 300
catcatcgcn gccgttaaata gggtagcct aaagacagtc tcgtctcttt cctctgcan 360

cgaatcg

367

<210> 8779
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C8

<400> 8779

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gaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
gaagatacat gaaacaacat ctcattgtta tgaatgttga tgcattcttt tatgtaaact 180
taacttttta caggtgacct ctctgaaaga ttgtaagggtt ccttacaaaa atttgatttc 240
gtttggtgaa tgaaatagtt agaaattctc aaaacaaaat aggggtggcng tgttnctccn 300
aaaggaaact caattacaag ctnaacagan gaannagaac cccggaantt tngnnaatgt 360
tcggtcaaaa taancggttc aaggcccg 389

<210> 8780
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-C9

<400> 8780

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tctccttta tagtagtaat tcttgaatcc aactcaaaaa tgtttgctat atacaaatca 180
accnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnaacctt tccaacctcc tatttctcct caagtcgctt tgattgaaga taaagcaaga 300
ttaggttcaa caccaccaag ctgccacaac agatgcaaca actgccatcc ttgcatgget 360
attcaagtac caactctccc gactcgctcc cgcttcanac gagttaacct gttttccggt 420
ggattcgtag gaactccttc ttctctaanc aacgttcctg a 461

<210> 8781
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-D1

 <400> 8781

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tatctgggca tttagacata ctgagagaaa tattgctgaa accgggctta atcttttgct  180
tgagatgctg aaaaactttc agcaatctga attttgtaat caattctacc ggtcatactt  240
tatgcaaatc gagcaagaaa tatttgccgt tttgaccgat accttccata agcctggctt  300
caagctacat gtgttggtgc tgcagcaact gttttgcctg cctganagcg gtgctttgac  360
agaacccttg tgggatgcta caaccgttcc ttaccggtat ccggacaacg ttgcatttgt  420
tcgcgaatac accattaagc tactgagctc ttcattccca                          460
  
```

<210> 8782
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-D8

 <400> 8782

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ctattgttat ggcacagcga gaagttagct gttgcatttg gttgcataaa actccctcaa  180
ggttcacaga tacaagtgtt caagaacttg agaatctgtg gtgattgtca taaagcaatc  240
aaatttatct cggagataga gaaacgagag atcattgtaa gagacaccac aaggtttcac  300
catttcaaag atgggtcttg ctcttggtggc gattactggg tgaaaagaga agagctttga  360
ctctctcatt ggtcaaanct gactgtatta natgcgtt                          398
  
```

<210> 8783
 <211> 490
 <212> DNA
 <213> *Arabidopsis thaliana*

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-D9

 <400> 8783

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cgaaattata agaagtaaag acaaccatgg cgagtgtctac cttctccttc tgtccccctct  120
ctcaatccca tccccattct tctctaataa aaccgacacc gtttctcaga tatggcaaga  180
aactacacca tcttcaccac cacatcttca tcaccatctc ttacccatct caccattctc  240
gctacttggc cgtttcaaga gacgatgccg cgacgcctct ttcttcttcc gaccaaacc   300
angagacaga gaccaaagaa gtggaagaca ctatagagaa acgaagaatg gaggagaagt  360
ttgctgttct aaacactgga atctatgagt gtagatnatg tggttacaag tacgatgaat  420
cagcgggtga cccatcgtaa ccgantccac ggggtttcag ttttgataat tgcccgaaaa  480
atgggggatg                                     490
  
```

<210> 8784
 <211> 412
 <212> DNA
 <213> *Arabidopsis thaliana*

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-E1

 <400> 8784

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gacgaattca gttccgagca gattgggtga agaaaggcct gatgagattc gtagagtaat  180
gggtaaagct gatgacgacc cgtaaggat cgttgggtga ggagctgggt cttggggaag  240
cgttttcatt gcaatgttgc aggaaaatta cggttaagttt aggggcaaag ttagtgtgag  300
aatctggaga agaggaggca gagcaatcga taaagccaca gctgaacatt tggtcgaagt  360
gattaattcg aggaagaat tggtgaggan gttgataaga angtgtgctt aa           412
  
```


<210> 8785
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-B6

 <400> 8785

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 ccaagcaggt gattggtcca gatgagaatg gtttgaagac gacgatcgag taaaaattca 180
 acgatgaaga aaataaggtt aagataacga ctaggacacg tgtccgcaag ctagcttctg 240
 ctcgactcaa canacgagcc atggagagga ggaactgggc ctaagtccgg agacgcagcc 300
 aatganggaa gctggtagcc atctcactat ggtttctanc gaaagaagat ccttctcgaa 360
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<210> 8786
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-F3

 <400> 8786

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 gcaacaatgg cgggaggcaa gatcaggaag gagaagccca aggcttcgaa tagagcacca 180
 tcgaaccatt accaaggagg aatatcggtc cacaatcga aagggaaca tacccttaag 240
 aaccctctgc ttgtggattc gatcggtcag aaagctggta tcaagagtac cgatgtgatt 300
 ctcgagatcg gtcccgttac tggaaacttg accaagaagc ttctagaagc tggcaaagaa 360
 gttatcgccg tcgaacttga ctctcgatg gttctcgagc ttcagcgccg ttttcaagga 420
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<210> 8787
 <211> 416

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-F6

 <400> 8787

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cagctggacc agactacatc ccttgccctg acaattggca agctatcaga aagcttcatt  180
cgacaaagca ttatgaacat cgtgagaggc attgtcccgaggagtctcca cgctgccttg  240
tttctcttcc cgaaggggtat aagcgatcca tcaagtggcc taagagcaga gaaaagatct  300
ggtacaccaa tattccacac accaagcttg cagaagtcaa gggacatcan aactgggtga  360
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<210> 8788
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-003-Q1-E1-F7

 <400> 8788

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gagggagaga gtgtttgctt tgattgggaa gaggtatctc ccgaaatgga ttaaagcagc  180
gagcttgcaa aatctcatct ttccttatga tgatatggat aagttgatta ggaaagagcg  240
tgagccaccg gttaaactctg tgttctgggc tttgtttggt gccatctatc tatgttttgg  300
gatgccggaa gtgtatcgtg tactttttga ggtgtttggg atggatccag atgctgatga  360
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<210> 8789
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-003-Q1-E1-F8

<400> 8789

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tgttgatggg aactgcaa at tgaaaactga agatttgtgg aaaagattgt accctgatga 120

accttatgag cttgacttgg ataacataga cttagaggac atctctgaga aatcttcagc 180

tcttgagaaa tgcaccaa at atgatcttgt ttcagctgtt aagaggcaga gccatttta 240

ctaccagggt tgcagggtccc atgtaa acag tgacattttt ctacaagaag ctgttgctag 300

atataagggg tttctctatc tgataaagat gaacagagaa aggtctttaaa aaaggttttg 360

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<210> 8790

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-F9

<400> 8790

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ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct 180

ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcaa gggactttct tgtaaagct 240

ttacttgagg aggaagtttc ccagacgttg tatcgacttt gcccttatg ctggcaaagg 300

tatgttgatg ctctgtagca accttgaagg tggatgtccc gcaactagag agttcaaaca 360

attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatccg atatccgc at 420

cgaaaaacat ngatgtggag atgaatggga aaagtnaatg ccttccaang gcaagt 476

<210> 8791

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-G1

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 ctttacgcaa ggtcttaagg acacggatcc acaacatttg catctcgaag aaggcactgt 180
 ctcaggaaga cctccatcgc tgagcgcgtg ggtggttgac aagaacaaag agaaaggacg 240
 actcggttta agtaaaccac acggattggg ccctattgat gaaacaggtc ctgtctcagc 300
 ctttgatagt ctctccatca atagcagcac cgagcatcct gcgtcttctt attcgctctc 360
 tactccgtct gctccactac tgctgaaga cgcttcttgg gnttcataat gacgctagta 420
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<210> 8792
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 8792

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 caatagccta atggaccgct ctgagtcctt taagagggac agtgtgatgg gcaatgggtg 240
 agccaaagtg agaggaagct tggagcgcaa gaaatcaaag agttttaagg aaggagatag 300
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 agtggcggca caacaagcac taaggaaact aaagattgct cattacggta gattcaaata 420
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 caaga 485

<210> 8793
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-003-Q1-E1-G6

 <400> 8793

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 tctagcgaat ctgtctctca acgactcgat ctggagcaca aactctgtct tcaaagagcg 180
 tcgaaactta gacatagccg ccaccaccga caagaacaac aaccagatcg actattatca 240
 gaagaagaca acttccgaca acatcaattc caactggaac tggaagtctt ctggttcaaa 300
 caacgacatg ggtttaggat tcggacctgt ggggttcaaaa tccaccgtcg atttaaacc 360
 aatcgacaaa ttcaactcac cgttcaacga cacgtggaaa ttcaactca 409

<210> 8794
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-H1
 <400> 8794

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 ttgaagcctg agaatttctt gctctctagc aaagatgaga aggctttgat caaggctact 240
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 gcatactatg ttgctccaga agtcttacgt cgcagatatg ggaaagaagt tgatatctgg 360
 agtgctggga atcatcttat acattctact cagcgggtgtg cccccgtttt ggggctgaga 420
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<210> 8795
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-H3
 <400> 8795

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 acacgaactc attgacttca ccggagttct caaaagctgg aacaactctg cctcctctca 240
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 cccttggaag ggacttggcg gtactatctc tgagaagatt gnacancttg ggaagtctca 360
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<210> 8796
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 8796

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 tnagtgtgct agagttcagc ttatcaagaa tggaaanaag attgctgcct ttgtcccaaa 360
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<210> 8797
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8797

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ttgggttgccg gaaacttggg caactgttag tctgggattg gcgaaccgaa acctatatac 180
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gtttcattac attcaccgag cataccaatg ccgtgactgc tcttcatttt atggctgaca 360
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tacaa 425

<210> 8798
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-004-Q1-E1-A10
<400> 8798

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ggatgttact acggccgaca ccgatcaaga accaatcctt gggcttaccg gctcatgtcg 180
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ggt 423

<210> 8799
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-A3
<400> 8799

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ggcaaggatt tggatgaatca tcagagagcg atcgatgttc ctctctgtt attgtcttct 180
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 <211> 435
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-003-Q1-E1-F12
 <400> 8800

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 aacgagaatg gtgagaatga tgaggaaggc ggtgaggttg cagacccaaa atggatcacc 180
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<210> 8801
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 8801

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 cttgtgggca actattcaac aaatcttccc aaaccatctc agaatcgcca ttaaagagtt 180
 tcttatctcc acaatacaac aactctcatt tgtccagaga ttttccgaca gattcatcaa 240

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 cgcatttgca gccattgaga cttaccttgg ggcaaaagca actgataaag ccaagcatct 360
 aagagcangc caagttaaag agagttaaang tttggtcctt gaaacgagac gagactaaag 420
 tccgagatga gtatgaagga ngctactgtcc tggc 454

<210> 8802
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-003-Q1-E1-C7
 <400> 8802

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 tcgctacggt cttaaaaccc attgttacca ccgagactaa tctgagattc ttctcctctg 180
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<210> 8803
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8803

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gggcagttta aggatattgg ggatacgagt ttgcctgaan gtccgattga gcctgcaact 360
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<210> 8804
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8804

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<210> 8805
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-D3

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cacggattat gtgccaaactg tgttcgataa nttcagtgcc aatgtgattg ttgatggcaa 240
cacnatcaac ttgggattgt gggatactgc agggcaagag gactacaata gactaagacc 300
tttgagctat cgcggtgcan atgtcttctt acntgcattc tcacttgtca gcaaagctag 360

ctatgaaaat gtttctaana aagtgggttc ctgaactgag acattatgct cctgggtgttc 420
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<210> 8806
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-D4

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatcga gggttttagt tgccggaggt 360
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<210> 8807
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-003-Q1-E1-D5

<400> 8807

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aataaacggg cggagctacg gtggaagtgg atagaagatt actggtggag aaaaggttgt 300
atgagaagtc agaatcagtg caatgacaaa tgggacaatc tcatgagaga ctacaaaaaa 360
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ca

422

<210> 8808
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-003-Q1-E1-D7

<400> 8808

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<210> 8809
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8809

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ag 422

<210> 8810
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-E11

<400> 8810

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tgttgatgct gttcacaagg ttaaggagga tggtgagatg aaaagttctt ctgtttctca 300
caggagcaga tccaggtcac ctaggcgaac ttctgttgga ccatcacgtg ctcgaaactc 360
tgaacctcaa aggcagcagc tgccatcaca tggttcgtca agtttcccaa aaccgctctg 420
gaaggcaaga taaagtttgt ggataatcct ttcccccgaa aanact 467

<210> 8811
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-E2

<400> 8811

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caattgggtg tacaagtcct aatcctatgg taggttgtgt cattgtcaaa gatggtgaca 120
ttgttggcca agggtttcat cccaaagctg gtcagcctca tgctgagggtg tttgctctta 180
nagatgctgg agagtttagct gagaatgcta ctgcttatgt tagtttggaa ccatgtaatc 240
attacggaag aacaccgccg tgtacagaag cattgattaa ggctaagggtg agaagagttg 300
ttattgggat gggttgattc gaaaccaatt gttttttccn tcgggtatta gtncggttga 360
aagatgctgg gatcgatggt accggtgant ggttga 396

<210> 8812

<211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-E3

 <400> 8812

 gttacgtttg cnggtgcccc gtccgnaatt aacgggtcga cncacgcgtc cgctttancg 60
 gattttttgtt ttggtgctcg acgactctga ttcgaaatct ctctctctcg gaaaagctga 120
 atctggatca tcaaagtaag tctccatcgt tactttttatc tcttcgtgaa gattcttttaa 180
 tcccatttat ttgttcatat ttgcaatctt cgaaaattcc tgaagctaaa caaaaatggg 240
 atatagcgac aaagcactga aattggactt gatcaacagt gtttctctgt aattagagcg 300
 aaatttggaa aaaagatgac atttttctat gatttgcgat gtctgattca ttcattccca 360
 catgtttang gttctcttgt gtaanagttt tggttccctt tccntatgtc cgtcntaacn 420
 aaatttttgc aggtatcant ttnaaaagtt ttgatnaatt tncttcnttt ggggggtanaa 480
 gaaggggtag 490

<210> 8813
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-E6

 <400> 8813

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 aaagaagaaa agtcacgcgt tttgggaaat ttgatgaaca aagaccaa atcttaaaactc 120
 gaattcttct ggttcctaaa aagtggctgt caagaagagt gagacatgca tcaaactctc 180
 tcttctctctg ccatggcgct aaacctccgg aaaccttatt tcctcaggta cttaactatt 240
 ctcccccaat cgatgatggg cgaaagctga aacctttttc tgcanatcga ttaaccgaca 300
 aganaatcca acccaacca cccactttgt tttgtttggg atgataaaaa tgcgggaaaa 360
 gaggtttgc ttntcaanat tcctcttttna cagcatnact gtttcaacgc tactct 416

<210> 8814

<211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-003-Q1-E1-E7

 <400> 8814

 tagcatatac aaggacatga aagaaaaaga cgtgaccctt gacgaggtgt tttttagtgc 60
 attgattgat gttgcaggac atgcaaaaat gtttagacgag gcttttggca ttcttcagga 120
 tgcaaaatct caagggatag gtcttggaac tatatcatat agctcactga tgggagcttg 180
 ttgtaacgag aaagattgga agaaagcact ggagctctat gaaaaaatca agtcaatcaa 240
 acttagacca acaatttcaa caatgaatgc ccttataact gctttgtgtg aaggtaatca 300
 actgccaag gctatggaat atcttgatga gataaagact ttaggggtta aaaccaaata 360
 ctatcactta ctctatgctc atgctggcaa gtgagagaaa ggatgacttt gag 413

<210> 8815
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-C3

 <400> 8815

 ctgtttacgt ttgccgggnc cgggtccgnaa attaacgggt cgaccacgc gtccgcttta 60
 ctcccccccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn ntctaaatcc attagcagtg actcatcttc ttcaacacac 180
 actaagaagc ttatgcatcc atgagaactc tcaatgggtt tatgctgttt tctggaggat 240
 cttgcctaga aactatcctc ctcccaaag ggatgggtcaa ggagcttatg atagatcaag 300
 aggaacagg agaaactgga tcttggtttg ggaagatggg ttttgcaact ttgcagcttc 360
 tgccgcggaa atgagctccg gagaaggtag tgggtggcggg ggtggctcag cggcttatgg 420
 gaaatagtga ttttcaacaa taccaagggc ttcagcctga attgttcctc aagatgtc 478

<210> 8816
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-H6

<400> 8816

gtaccgntgc tcacattcgc nggtcgaccc acgcgaccan cacaacctcg caagtaactc 60
tcatectcgc tgtactgata agaagaaaaa actctgaaag atgtcgaccg gaggacccca 120
aaaattagaa gcacaaggag gaaaagaagg caaagaatgg gatgatggag ccgaacacga 180
tggtgtgacg aagatatacg tagcagctgg tggtcttggg attgaacaaa tcagattcga 240
ttatgtaaag aacggacaac caaaggaagg atcttttcat ggtgtgaagg gtagaagtac 300
tatttctacg attgagatta gccatccagc cgagtatctt atttccatgg agggttggta 360
cgactctacc aatatcattc aaggaattca gtttaaattc aacagacaca cttcccagta 420
ctttggatat gaatttttgg gagatggtac acaattttca cttcaa 466

<210> 8817
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-H9

<400> 8817

tttttctgnc gccacgggtca nanaatccgg gtcgacccac gcgtccgata nctctctgtc 60
tctgtcccgcc ggagtcctccg agagattgat caccatcaact tttgtacctt ctttgtacta 120
cctatggcgt ctgetagctt cgtaagcct aacacnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngagtctc cttecgatc 240
cgcgccgggtg cttactccga cgagcttgtt aaaaccgcca aaagcattgc atcccctggg 300
agaggtatct tggcgatcga tgagtccaat gcaacctgtg ggaagaggct tgcttctatc 360
ggcttggata acaccgagga caaccgtcaa gcctacaggc aacttctgct taacactcct 420
gggcctcggn gaataaatct ccnggttcaa ttcncttcga aggagaatct ttacaantca 480
acaaaggg 488

<210> 8818
<211> 427

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-A2

 <400> 8818

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 tgaagctgaa gaggtgggttc ctccaattcc agaaacaaaa agtgaagagg aaattgttga 120
 gaactctatt cctccaaact cagccactga tgaagtttca tctccagaag ctttagcaag 180
 tgaagagggtt gagaaggagc aagtgggttc cgaaacacct gttgatgaag tcaagactcc 240
 tgcacctgta gtcacagaag cttcttctga ggaaagtggc aacaccgcta ctgctgaaaag 300
 catcaaaggc atttcaccag ctctagtga ccagctgaga gaagaaacaa gggcaggaaa 360
 tgatggantg caagaatgct ctttcagaag agtgagggcg atatgggtcan aagctcaaga 420
 agtacct 427

<210> 8819
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-A3

 <400> 8819

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 gtgggcgcaa acccaacaaa gtagagcaaa accctaaaac ggaaaccttc catggcgatt 120
 atctctgagg tagaagaaga aagcagtagc agccgacca tgatatttcc ctttagggca 180
 aactcagtt ctgcaaacc attagggttt ttggagaaag ttttcgactt tctcgagaa 240
 cagagcgatt ttctcaagaa accctccgcg gaggacgaga tcgtcgtcgc ggtagggcg 300
 gcgaaggaga agttgaaaaa ggctgagaag aagaaagctg agaaggagag tgtgaagcct 360
 gtggagaaga aagccgagaa ggaaattgtt aagcttgtgg agaagaangt agagaaggag 420
 agtgtcaagc caactatagc tgctcaagtg ctgagcctat agaagtggag aagcct 476

<210> 8820
 <211> 470

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-A4

 <400> 8820

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 ttcgcgaagc gtcagttctg ggagtcgcag tcctccacgt cgtggaaaaa gtccctgctgg 120
 acctgctagg cgaggtcgct ctctctctcc tccaccatct aaaggagcat cttcaccttc 180
 caagaaagct gttcaagaat ctcttgttct ccatgttgat tctcttagca ggaatgtgaa 240
 tgaagcccat ctcaaagaaa tctttggcaa ctttggtgaa gttatacatg tcgaaattgc 300
 gatggatoga gctgttaatc ttccaagagg acatggttat gttgagttca angcaagagc 360
 tgatgctgag aaagctcagc tctacatgga tgggtgccccaa attgatggaa aggttggttaa 420
 agcaacgttc aactaccac ctctgcagaa agtatcttca cccctaaac 470

<210> 8821
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-A7

 <400> 8821

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 cgattcgaaa accatctttg ggaacgtagc cgaactctta gagaaagaga aactttccat 120
 caactacgcc aactgcagaa gctggcacct tgggtgttgag acctctaaca tcatagactt 180
 cgacacggtg cccgcaaatt gcaaagacta tgttgaagac tacttgatca cttccaaaca 240
 gtaccaatac gactccaaaa ccgtgtgcaa agaggcttat ttctatgcca aaggacttgc 300
 cctaaagaac gacaccgtca atgtttggat ctttgaccta gatgataccc tcctctctaa 360
 gtantcccta ctacgcaana atatgggata cggaacagag aagaaccgac ccggggggcg 420
 tt 422

<210> 8822
 <211> 418

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-003-Q1-E1-A8
 <400> 8822
 ggctgcactt gttcaacttg caggcaagaa acttctatth gctgaggacc gaaagcaaac 60
 tctaaaacag gtggatgagt tcttgaacac aaagggttgcc cctaaagaac ttgttgatga 120
 gttaaaggaa ataggaaagg ctcttcttcc tcaatcaaca agcaacaaag ctctcccagc 180
 accagcaaca gtaacagcag aagcagaatc agctacagct acaaccacca cagtcgataa 240
 accagtacct gagccagaaa cagttgcagc tacaacaacc actgtagata aaccagtacc 300
 tgagccagag ccagtgccag agccagtgcc agtgccagcg attgaagctg cagtcgctgc 360
 acaagtaatc acagaaccaa ccgaaacaga agccaaacca aaacctcatt caagacct 418

<210> 8823
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-003-Q1-E1-B1
 <400> 8823
 gccggtccgn aattaacggg tcgaccacg cgtccgggga aaaggagata gagattgaag 60
 atgcgtgacg caatcatcgc cgatcctctt ctggccatcg accatgaaac agtcgcagag 120
 aagaagaaac agagcaaaaa tctaaagatt tctctttttac tgcttctgat tctcttagca 180
 acttcagtct tagccttgga accatcagtg acgtgggttg atctgagaat ggtgttggtg 240
 ctgctgacga cgctcgatgt tccgagatcg gtgcctctgt tcttagaagt ggcggtcatg 300
 cgggtggacgc cgccgtggct attactttat gtgttggtgt tgtaaatcca atgtctagt 360
 gaatcggtgg tggttctttc ttgattgtta gctcgcagaa agattccaaa gctgangctt 420
 tgacatgaga aaaactgctc caattagctg cttnaa 456

<210> 8824
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-B12

<400> 8824

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ggcagcaacc gccgcaacaa cgacgtcgtc tcaccttctt ctctcaagct cacgtcacgt 120
ggcatcatca tcccagcctt caatcctttc accgagatct ctcttctcca acaacgggaa 180
acgagcacca actggagtga ggaaccatca gtatgcgagt ggagtgaggt gtatggccgt 240
agcggcggat gctgctgaga cgaaaacggc ggcgaggaag aagagtggat acgaacttca 300
aacgttgacg ggctggttgc tgagacaaga gatgaaagga gagatagatg cagagctgac 360
gatagtgatg tcgaagtata tcattggctt gtaagcagat cgcttcactt gttcaacgtg 420
ccggaatctc taacctgacc gggagttcaa aggcgcctgt tataatcaag ggagaagggt 480
na 482

<210> 8825
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-003-Q1-E1-B2

<400> 8825

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tcaaattctct gattcttcga tacgataaat tcttctctga tatagaaacc actgattaga 120
tcctaattcg tcgcctagct caaaaagatgg tgctttcgca aaagcttcat gaagcattta 180
aaggaacagt tgagaggatc acaggtcctc gtacgatctc ggcgttcaag gagaagggag 240
ttctcagcgt cagcgagttc gtacttgccg gagataatct cgtctccaag tgtccacct 300
ggctcttgga atctggtgac gcaagcaaaa ggaagccata cttgccctcg ganaaacagt 360
ttttgattac taaaaatgta ccttgtctac ggagagctgc ttctgtgggc agangattat 420
gaagctgctg gaggtgaagt gtttggtgat gatgaagata agngatgggt ggctg 475

<210> 8826
<211> 428
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-B4

<400> 8826

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ccgaaaccaa acaggagaaa ttggtaatag ataatggtga aacttcatct gcatcgaagg 120
aagtggaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ggattccctg 180
aatctcccaa naaggatata aatagaagag ttgcggctgt tactgtaata gcggccttctg 240
cgttatttct atcgacaagg ctgcattttg ggatttcttt gaaagattta accgcttctg 300
cgttgcctta cgaggaggcg ttatcgaatg ggaagccgac tggtgttgag ttctatgcag 360
attggtgtga aagtttctcg anaactagct ccttgaatgt taannnaatc gagcagcaat 420
accnggga 428

<210> 8827

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-C1

<400> 8827

actntttgcc cggcccggtc cgaanattaa angggctgac gcncgcgtcc ggaaaaaaag 60
aagaatcttt agccaccttt gagatcaaaa gatgaacatc gctcacacta ncttcggcgt 120
tttcgganat gcaactgctc tgtttctttt cttggctcct tcgataanat tcaagagaat 180
catcaaganc aantccantg aacaattctc tggatatcct tatccaatga ctctcctcaa 240
ctgtctctc tctgcttggg atggacttcc ctttgtgtcn aatgacaaca cacttgtgag 300
cacaatcaat ggnacaggag cantgatcga aacagtctac gtgttaatct ttcttttcta 360
cgcnncaaag aatgagaata ttaagatctt tgggaanctt cccttgcntt ntggcgggat 420
tcccannagt agctctcgtc actcnccttg ctctcaagg ganacggtag aaaa 474

<210> 8828

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-C10

<400> 8828

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tcgcttcgaa ttcaaaagcc ctaattcgaa aattcccatt tctcaagggtt tttaaaagag 120
tattgcaaaa gatgtcttct gattcgcccc gggaagagaa tgtgtacttg gccaaagttag 180
ccgagcaagc tgagcgttac gangaaatgg ntgagttcat ggagaaagtt gcaaagaccc 240
gtggagaccg aagaacttac tgttgaagaa aggaatctcc tgtctgttgc ctacaagaac 300
gtgantggtg ctaagagaac ntccctgggag gattatctct tccattgagc agaaaggang 360
atagcagggg gcaacagtgg atcaagggtt cnantaanca aggnnttaca gagggcaann 420
attgnaaacc tggactcaag caaagaattn gtgaangggg aattttggaa cccttccttg 480
aagggccaaa ccncaaattc 500

<210> 8829

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-H5

<400> 8829

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tcaggctacc gttactcata ctggttttca gtgggaccgg tattgggttag ttgttaacta 180
taaaggaaga gcatacactc aaagagttga gccaaacctt gctcttggtg aatcgagatt 240
gcctaaggaa gccttcttgg aagattggga gccaaacaaat gactcattgt tggtgataag 300
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tgtgtcgatg tgggaatggt ctggctctgc ttttgatgaa ggagaagaag ctgcgaaatg 420
gtttcaagat tatcttggn aacaaaagcc gtttggttcg gntta 465

<210> 8830

<211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H12

 <400> 8830

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gaccttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  180
nnnnnnnnnn nnttcggatt tgttttttca ataaattgac taattgagta ctcgtttaaa  240
ggaagtgaag agcgggttttt tggtagtggt ggtcgagaaa agagagagtt tgtctctgtg  300
actcagagtg aaatcaatag agcgggaaaa gattgttgct tttttttgcc atgggaattg  360
atgaacctgt cccaactcaa attccctccc tctgctaaa atccatcaac cctgcaatgg  420
attttgtccg ggtttttaaag tcccnantt tgaagaaana aggncttga agaacaattg  480
  
```

<210> 8831
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H2

 <400> 8831

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ccatggctcc tgatgcttct actgctcttg cagcgaggga gaaagttagc caaatcctga  180
atgcagcttg taccggaaat ctgcaattcc ttaagaatgt tgctaagcag cttgatgaag  240
gaaaagactt gacgaaaact gtggagagta ttaaaagacg caaacaacg tggagcgctt  300
cacttcgctg ccaagagaaa gacaaactga aaatatgcag atatcctttt gggaagaact  360
gaaactcaat gctgatgcaa aaagatgaaa ctggtgatac tccgcttggt catgcctgcc  420
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```

<210> 8832

<211> 498
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H3

 <400> 8832

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 gccaccgctc cttctcgcgg aagttctcac ctccgatoga ctcaagccgt cggcaaactc 180
 tttgggctcg aaacttcctc ggctcgctc acttgctcct tccangtctg actttaagga 240
 cttcaccggt aaatgctccg acgctgtcaa aatcgccggg attcgctctt gccacctctg 300
 ctctcgctnt ctcgggagca agtgcgngcg gaagctccaa aganattgac ctatgatgag 360
 attcanatca agacatacat ggaangtnaa aggnactgga aaggntaacc aatgncctac 420
 taattgacng gggntctgag actttccccg ttcaaaaccc gggnaaagta tgcaaggana 480
 gaagttctgc ttcgaagc 498

<210> 8833
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H4

 <400> 8833

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 tcttctaaaa agaagggcgg cagtgttttg gcctcagtag gtgatgactc agttgcagac 180
 gaaactaaaa cttctgatac tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
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 cttgcagcac ttggagaaac ccctgctgct gaaagacctg cttcatctac gcctgtagaa 360
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 agaaagaaga gactgctgct gccaaanaa 449

<210> 8834
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H6

<400> 8834

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cctctaaatt cttgtttaat agtttctcat gcaccatgtc atgctgtgtg atttagtgag 180
taagtgaat gttgatgctt ttccgaactt ctgaacatgc ctgctttttc ttctaagtag 240
aaaccgttca agatgttcgt ttttggcaat catgatgcan gagcagctcc ctgaagatct 300
gggtcgtgtc gatttgctcc tcangaaagc acatgaatcc ggcattaata tacaggtaaa 360
actgtttggc caaacgttgc tacttgcccc tgtccttaaa aaaagtgtg gctaattttt 420
ggccaataa tgttgcttg aaatacgttg gcaattcttc tactcaagaa gatancaacg 480
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<210> 8835
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H8

<400> 8835

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acgatagggt accgcttaga gttgttctcc aagtactctt ctttgaacaa atgcatctca 180
gaaccgctct tgcaggtggt ctaaagtgtg caaacaccga aacagctcat gcagtgcga 240
tccctggtgg aagaacagga caggagatag ttcagagaga tggttgggtg actgttgtgc 300
gccaaaacca ggttttgaaa gttgatatgc agaaaaatga ngtcaagggt tggagaacta 360
naagangagt ttcagagtat taagcangag atgaaagaag agaattagta agtcctccag 420
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ctcaaagttag ctgcctcgt ctgggtcaaa ctgggtggt aagtttcctc ctccacgaan 480
cttct 485

<210> 8836
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-H9

<400> 8836

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aatggctgca ggtttctctt tatcgatttt cctctgtttc tttctctttt aaagcttcat 180
tatttaatcc tgttcttgcc taaatcagga taagattatg aatggttgat tttgagcttc 240
tggattttgc aaattttggt gctttctttg actaagattt gagtttcgat ggaaattcgc 300
ataattttgg ttcattagtt gcttacatgc aaaaatactc tctttttaaa ttgaaatcaa 360
gattttgaag aaancatnaa aaatcaaact ttggttgntc ctttcaagcc aatgggggta 420
aaaaagttaa aaacctnaaa ctttcnggac aatccttaaa aggttacaag ncactaatgc 480
tggaattgca angtgt 496

<210> 8837
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-A1

<400> 8837

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tcaggtagcg tttgaacgga gtctcgaca ctgaccccgga aacccattg aagcttgcg 180
agtactttgg tgttgccgac aaggttttca agtacgactc catcactgat aaccaaccc 240
cagaacaaat caagagcatc aagatcgtgc caaatgttct taacatcact caccgcacct 300

tcacgnggt ggtgtttgag aaccacgaga agagtgttca gtcgtggcac ttggacggtt 360
 actccttctt tgcgctcgct gtcnagccaa ggacttggac ccanagaaag agaaaaaact 420
 acaacctgct ggacgc 436

<210> 8838
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-A10
 <400> 8838

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 ctgctgattc aagaaagtat tgctacactc tcaatgtcac gagtaggaat agatatctca 180
 ttagagctac tttcttgtat ggtaatttcg acaacagcaa caatgtgtat cccaaattcg 240
 atatctccct cggggcgact cattgggcga ccattgttat ctctgaaacc tatataatcg 300
 aaactgcaga actggtgttt ctggcttctt ctctactgt tagtgtttgt ttgtcaaatg 360
 ccacaactgg gacagccgtt tatatcctac tcttgagctt aagcagttga gtggttcnat 420
 gtatgggtcc a 431

<210> 8839
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-A11
 <400> 8839

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 tctgttcgctc aggcggcact acatgtatgg aaaaccatcg tagcaaatac accaaagacg 180
 ttgaaggaaa taatgccaat tttgatgaga atgaatctgt tcgtgatgca gccctggggg 240
 ctggccatgt actggtggag caccatgcaa caacgtctct gcctcttctt cttccagttg 300

tggaggatgg tattttcaat gataattggt cttggtgaac ttattgaagt tactagcgag 360
 caagctttga aggagtctgt catacctata acagggcctc ttattcgaat cattggagac 420
 cggtttccat ggcaaagtca aaaatgctat cttnggtaca ntaatcatcc taatacaaag 480
 g 481

<210> 8840
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-A2
 <400> 8840

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 atttgaagga ttcggttttt gctgatgata atattcagct aaggcttggt gagactggtg 180
 aaagcagtga gttcttacct ttggtatatg atccggagac ctttctgcc tattggggga 240
 aacggcctcg tgctgttgct tctcgagtta tccagttgct ttcggttgct ggaggggttc 300
 tatcgcgat tgcaggggat gtnataaaca agaaagttaa agagaatgag gttgctacgg 360
 caattgaatt gagggaaatt gtaacttctt tgggtccagc atacattaaa cttgggcaan 420
 ctttgagtat tccancagat atattgtcac ccgctgcaat gac 463

<210> 8841
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8841

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 atttccggtg cgtataatgc taaaggccgt ccagatcttg ggttggtcat cagggttaac 180
 catctcacag agattgacca agactcgcaa gtcctctacc gtctctttca tctcgtcac 240

tctcaatctc tectctgtca cttcgagctc tctcgggaga atcttctctt tcaagccaac 300
 cagaatgtct tectacttc cgggtctga ccagttgca aattccccga cttctgtctc 360
 tgttcaatca gctggagatg ttcgtaagat aaagttctgt caatgggtgtg gangaccaac 420
 cangcatgaa atacctgacg gtgaanagaa aattgagagc taattgcaca cattggc 477

<210> 8842
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8842

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 ttcagagttc tttcgttttc atcgaaacaa tggcgaagaa cgttgggatt ttggctatgg 180
 atatctatct cctcccacc tgtgttcaac aggaagcttt ggaagcacat gatggagcaa 240
 gtaaagggaa atacactatt ggacttggcc aagattgttt agctttttgc actgagcttg 300
 aagatgttat ctctatgagt ttcaatgcgg tgacatcact ttttgagaag tataagattg 360
 accctaacca aatcgggcgt cctgaagtag ggaagtgaga ctgttattga caaaagcaaa 420
 gtccatcaag accttctga tgcaactcct tgagaaatgt ggaaacactg gatgtcgaag 480
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<210> 8843
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8843

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 tcgtttcttg gagtttaacc aactccagga cggaggacac cagttgaaac aaagacgaca 180

agcattgttg cagagccttg cggtttcact tcagctcggt gatccccctcg ccaagaatgg 240
gcaaagccag tctcttgatg attttctctt tctaagggtt atctctcttc caaagggtcg 300
aaagctactt ataaggtatc ttcagctaata tttccctggc agcgacctaa tgcggatagt 360
ttgcatggcc attttccgtc atttaangtc attgttcgga gtcctttcat cctgacccccg 420
atatcatcaa aaaccacaaa t 441

<210> 8844
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-F4
<400> 8844

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gttaaagctg ctgggatcac cagttttgtc aaaagtggag tgtgaagaat cttttatgtc 180
tgaacaggct tctctctttc aatcatctat ccggctttta ggagagtact gtcctatata 240
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tattggattt cagtttatgc aactgagtga ttatcactgc ctcttctgac atcccttggt 360
tgtttacgtt tggtgaatca agatggcttt gcaaaacatt ggtgcctcca ancgcgaaga 420
tgccntttta aggtataaga tgcccgaagg atgatg 456

<210> 8845
<211> 472
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-F5
<400> 8845

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gagcagttgt cgctatcaaa ctactcttc agcagaagtc atgtttatgg aagattatgt 180

cagagacagt tatctgtaat ccgtgaggca aatgaagctt ctgtaaccaa tgtctgcaac 240
 tcgtcaaact ctgctactga atcggccaaa gttccctccc ctgcgacgcc ctctgaggaa 300
 atgatggtga agtacaagtc ccagttaaaa ataaacccga ggcatgactt catgatggtc 360
 ttcacttgca aggtctgtga tacaagatct atgaagatgg cgagccgaga atcatatgaa 420
 aacggcgttg tgggtggtacg atgtggangg tgtgataatc tacatttgat tg 472

<210> 8846
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F7

<400> 8846

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 ttcaaggctc aattcgccgg aatggaaagc cgcagcttga gtttcctctc tcgaacaggt 180
 tgtctcgttg tgtggttatg gctgttcaag gagggagagg atatgaatct ccatgggatg 240
 aaaaacccta tgaaactctt cctactggta aaagggttta tgttgatgaa tctgatgttg 300
 tgacgtttct tgatcccccc aaggagtga ttccattgga ccctgcttca tataacccgg 360
 ctgcttatct ctggaaaaag attgaagaca tccccgaaga gaggcgccac catttgctgc 420
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<210> 8847
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F8

<400> 8847

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 gacaaaaact ctgatgtgtt ggcagttgga gtttctggag acagtgacaa tgtggtatct 180

gtcttgcccg cttcccaaac ttcctctgat cgtgatgaag gaatgattac agttgatgct 240
gaacctacgg aagacatgaa acttgatggt ccagattcta aattgggttac tgatactact 300
gttgactcta ctaataacaa ggatgcccat gttgaggcta atactgaaan gcaagataat 360
tctagtgcac ttgtgctaaa tgatgcaa atgaaagtg cancaattga aacgtgtacc 420
tggtccctaa gttgcatcct ccaatataaa gtctgaan 458

<210> 8848
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-F9
<400> 8848

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aagcaaatta ggagggttta agcaatggta taatcctcct tggttcaatg aatctgttcc 180
ttcaacgcct tatgagcctc ttgcgataag acgcgccttt gaaaacgctg tgattaagcg 240
gttgatgact gatgttccat ttggagtttt gctctctggg ggtcttgatt cttcccttgt 300
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gctccattcc ttttgcgttg gtctgaagg gctcaacgga cttgaangca aggaaangag 420
gtggcggaat anttggggg 439

<210> 8849
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-G10
<400> 8849

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gtttggttca ctgctcagag tcacttcgac cactgtttgc atgtgatcca gcaaacgggt 180

taaccocggac gctccggttc tgtcgggcca atgtaccgat ccatgtgaga gttcaagatt 240
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 taccacgtct cngtattgga ggctatgaat ggtggtecna agctctccaa ggcatttccg 360
 acgttgggtcc aangcgctaa gttcgggtgt gcttttcccg gtgccaacaa cttccctcaa 420
 gtcacanca accgcaactt ctttc 445

<210> 8850
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-G11
 <400> 8850

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 caacgaaagg atcaagaaag aggaattgaa gagatctctt tactgtttgt tctctcagtt 180
 tgggaggata cttgatgtgg ttgctttgaa gactccgaag ctccgaggac aagcttgggt 240
 tacttttagt gaagtcactg ctgctgggtc atgctgtttc gtcaagattg caaaaatttt 300
 tccctttcta ttgataaaac aatggccctt nacaatnatg gcaaaaagca aaagttnaga 360
 ttggccaacc taaaagctga gggaacttcc gttcaaaagg ataagaagaa ggaanc 416

<210> 8851
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 8851

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 ttagtggttt tgtgattacc tatttggctc atgaaccact tgttatcaaa gagagcttga 240

atTTtgatta caccaagagt agtcctgaag cttatgtgcc cataagttca tgtgctgggtg 300
 ttgccttttg tttgagtggc aaggagagta ttgaaactgg gaaggtcaaa gggttgaaag 360
 acaggacaga gataactgtg tcaatgacat tgcctgaatc cgagtacaat agaaatcctc 420
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<210> 8852
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-G4
 <400> 8852

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 cgggtaangg agtccaatt tcnannctcc aagctttttt caaagtcnat tcantttgag 180
 naacggtagc tcaagcacia taaccgaaaa cccgaatcng gatccgactc cgagtccggt 240
 tcattctcag acccagaatc cgaaattcaa taacactttc tcccgagaac ttaatttttc 300
 gacgtcaagt tcnacttttag tgaaaccaag atccggcgag atattaaact tcggcgatga 360
 aggtaaacga agtccggaa accccgntc aagttcctaa tcnggtcaaa cacaattcga 420
 aaacaaaaga aagaagtcca tn 442

<210> 8853
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-G7
 <400> 8853

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 gaccgtgtga ggaagcttgc cgacaactgt actggcttan aagggttttt ggtgttcaat 180
 gctgttggtg gtggaactgg ttctggattg ggttctctgt tgctaaagcg tttgtctgta 240

gattacggaa agaagtctaa gcttggtttt accatatacc cttctcctca ngtttctact 300
gctgttgtag agccttataa cagtgtgctt tcaangcatt ccccttcttg aacatacccg 360
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ttca 484

<210> 8854
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-G8
<400> 8854

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gctcctactg tttataccgt ctttctccct ctcttgaag gccagttcag agctgttctg 180
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<210> 8855
<211> 468
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-G9
<400> 8855

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atagattcaa tcaactggctg atttcgtgat ttacagagaa atgatgatga cgtcaacaaa 240
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<210> 8856
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-H10
 <400> 8856

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 ctgatgctcg taaatatggt gaagccttgg tgggttcaag gatacgagtt tgggtggcca 240
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 aaggaaggac g 491

<210> 8857
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-001-Q1-E1-F3
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accaaaccga tctctgtaaa acggaaaatc ataactctag cagctccaga gacactcacc 180
gctgaaacag tcaccggaat tgatacttcc gacaacactc cacaacaaac aataaagggtg 240
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<210> 8858
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-D3

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aaaatcctac ccagagaaga ccacatgtag cgtccacatc atccaccggt ggaagattaa 180
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gcttacctgg tgatttcggt ttcgatnctc tcggtttagg gtctgatncc gacaccctca 360
aatggtttgc acaagctgag cttatacata accggtgggc aatgctggcc gtgancgggt 420
atcataatac canaatgtct cgaacgggta ggtttcattg aaaatttctc aatggtatga 480
acgcanggtc tcg 493

<210> 8859
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-D6

<400> 8859
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 tctgaatgct atagatactg gcagtacagt ggcgacagca ggtccattga tggatgatga 240
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 cccctttgca gatgtctcat ttcattccgaa tgaagaaaaa gaaagtgcag atgacctctt 360
 ctctggaatg actgtcgggg aaaagtccgc tgctgttggg ggtaatcatg tgcctgatct 420
 atttgatatg tttgggtcaa ctgcaaaaac ttgaagcaga gccaaaaaga tgcaaaaac 480

<210> 8860
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-D7
 <400> 8860

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 tcacttctgc tgacactgag acaagccaac atcagagttt tggagtctct tttcagccaa 180
 caccaccaac ttcaaatect aacaatgaac ataactttgg ttttggggaa gcattttcag 240
 ctgttaccca ttctgaacct ggcgttcaaa atatgcaagc tccaccgaac ttatccgtct 300
 ttctcaaga gcagtttgat acatcgcaga gcgaaatcga tattcttgcc ggcattctcc 360
 caccatctgg accgccaagt ttctctgtct ccacaacn 398

<210> 8861
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-D8
 <400> 8861

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gttgccagca aatgttgcag caggaatgga agaattgtat tggaactaca aaaatgcagt 180
 ttttaagtagt ggagcttcca gggcagatga aactgttgta tcaaacatgt ctgttgcttt 240
 tgatcgcagt cttcttggtg tggaggatcc ttatactttt aatccatata ataaagcagt 300
 cagagaacca tttgactact acatgtttgt ccatacatac atccgtcctc ttattgattt 360
 caaaaattcg tacgttggaa atgcttctat attctctgag ctggaagaca agattcgaca 420
 gggacacaat atcgtgttga tatcaaacca tcaaagtga 460

<210> 8862
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-D9

<400> 8862

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 ccaacagatt gctagaaaac ccaaaaccca gatcgtgatt ggtgtgccat cgtaccagga 180
 agttttggaa agctcacaga cgaagtccac gcctccatct ctcttcaagc ctcccagag 240
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 ccaaacgcat caaactgatg gagcctcctc ttcttctact cctgtagcca ctggctctgt 420
 acatcaaaca caactcaaaa tcgtaacgct attctcgtta gccatcgaca gaaaggaaac 480
 ccgtttctt 489

<210> 8863
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-E10

<400> 8863

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agagtccaag actgttgttc ctgagtcagt gttgaagaag agaaagaggg aggaagaatg 120
 ggcacttgcc aagaaacagg agcttgaggc tgccaaaaag cagaatgctg agaagaggaa 180
 actcatatth aaccgggcta aacagtactc caaggagtac caggagaaaag aaagggaatt 240
 aatccagctg aagcgtgagg caaaattgaa aggaggcttt tatgttgacc cagaagctaa 300
 actgcttttc attatccgta tccgtggtat caatgccatt gacccaaaga caaagaaaga 360
 ttttgcaact tttgcgttta agacagatth tcaatgggtg gttccttgaa ggncaacaag 420
 gnaaacaatt aacatgcttc gccgtgttga ancccaatgt aacctatgga taccgaact 480
 ta 482

<210> 8864
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-E2
 <400> 8864

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 ttccgaaaat cttaatagtt tttgccgagg tacttacagg gaaagatgtg gtgacacaag 180
 agacagcagg tcgtatgata aatatattaa ggcaacttca acagacactg ccaccatcgg 240
 cgttggcctc aacatggtca acgctgaaac ccgaacagca gctcgctctc caatccatgc 300
 tttcctcta aattcaatcc aatccgatct ctctgtttat ttttacaagt tttgtgagct 360
 ctgttttcac caciaagcgt cgtcagtttt gcatttatgt gtttacaaaa gtgtttcttc 420
 ttcttttgca ttttcatct aattcctttg ggaagggatg gatgatgggt cggccaacc 480
 tt 482

<210> 8865
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-001-Q1-E1-E5
 <400> 8865

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 cgacgtggaa gaagcaaaag ctcaaattgat ttactctttg ccaatgatac tcaccaatgt 180
 tttctactac tgtattccta taacttctgt gatgtttgct tctcacctcg gtcaactcga 240
 gctcgccggt gccacccttg ccaattcttg ggccaccgtc tccggttttg ccttcatggt 300
 agggttaagt ggatcacttg agacattatg tggacaaggc tttggtgcaa aaagatacag 360
 gatgttgga gttcatctac aatcatcttg catcgtttca ttaagttttc aagcatcctc 420
 atcaacatct tc 432

<210> 8866
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-E9
 <400> 8866

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 caaagccgaa gacacgggag atacaggaaa tgtgggagtg acatgtgacg caaggcagct 180
 tcagccttgc cttgccgcga ttacgggagg aggacaaccc tcaggtgcat gttgtgcaaa 240
 gcttacagag caacagtcac gcctctgttg tttcgctaag aaccctgcgt tcgcacagta 300
 cattagctct ccaaacgctc gcaaagtgt ccttgcttgc aatgttgctt atcccacttg 360
 ttgaaactta tctagagatt ttataaataa ataaacgaaa ggaaataaat tacattatat 420
 caaacgttat gatacaattc aaccgttttg tgtaaatgta ctgggcttac atggnt 476

<210> 8867
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F1
 <400> 8867

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 tgagggcaga ttgaatcgtc tcaagtctga ggaaaccaa gaaattccct ctgatgatca 180
 attagacatt gatgctcttg atgatgatcc atgggggaaa tgggggtgacg aggaagaaga 240
 agaagttgac aatagtaaag cagacgagtc ctatgacgat atgcagctga aactggattt 300
 gcgtgataga gtagacagct tatttaggtt cctccacaag ttatcgaagt cttaaagaaca 360
 aggaatctac cattaagaga angntcattg gtttcangag agcaactttc ctggcggaacc 420
 ttctggaaac aaaagggcta atctacaagc ttataacaaa agtggttgagc aaacaaagag 480
 a 481

<210> 8868
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F10
 <400> 8868

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 caatggcgggt ttcttcttct tcgtttctat cgacagcttc actaaccaat tccaaatcca 180
 acatttcatt cgttctctca gtatcccat cctccgcag cgtcgttttc cgtccacga 240
 ctccggcgac ttctcatcgt cgttcaatga cggtcggatc taagattcgt gaaattttca 300
 tgccggcggt atcatcaacc atgacggaag gcaaaatcgt gtcattggatc aaaacagaag 360
 gcgagaaaact cgccaaggga gagagtgttg tggttgttga atctgataaa gccgatatgg 420
 atgtagaaac gttttacgat ggttatcttg ctgcgattgt cgtcggagaa ggtgaaacag 480
 ctccggtt 488

<210> 8869
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F11

<400> 8869

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 cccacgcgtc cgcccacgcg tccggttggt tcatgtgtgg aagttctcta agaacaacag 120
 aaaatttcaa aatggtttct cagataatct cgtgtttatc tcaatcttcg tctcttctat 180
 gtttatccga ttcaaggagg ttaattcttc cgaagacttg tacttacggc ggtttgagcc 240
 ggttttctcc aggatttgct agccgccggt tatttacggt taatcggaag aaatggagat 300
 cggcctgcat tttcaactct gggaaaggaa cctggaggaa ganggaaagt tacaaggag 360
 taactcanaa tggncgatac ttcaganatg gggaaatttc aatgggggaa tggcanacaa 420
 nttccgttna acttcgtttt gcttgtgcac taanggaagt tttgttttga caaggattaa 480
 accgaa 486

<210> 8870
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-F12

<400> 8870

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 gtatggcaat ggagccatca ggtcaagcca ctctctcaact tctttcgtct ctacgtcccc 120
 gacctagtct tcttcggcgg ctctcttccc tccggtgaga accggtcgga gatgtttcaa 180
 gcgttgtgca tggggaagct tatggagaag ctcgaggctg agagattcag tgtcgttggg 240
 acgagctacg gcgggtttgt ggcgtataat atggcgaaaa tgtttccgga gaaagtggag 300
 aagggtggtgc ttgcgaagct ccggtgttaa tttgcggagg agtgacaacg aggcgtttat 360
 cgctangggc taagtgccac cgtatcaagg angtgatgct tcttgcttct gcaacagatt 420
 ttangagatt ctccgggatg gtttcctcca aagagactcg attaatgtc 469

<210> 8871
 <211> 486
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-D2

<400> 8871

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tcttgtcaga ttcggaaagg taccaaaaaa aataaattaa taaaaactta ccaaacagat 180

tttgtgttta tctctctctc tatagattct tttgatcaca aatccttttc gtttttgatc 240

atattttgat tgagaacaaa acaatcttca aagtctcaac ctttaagttt gattgatctt 300

tttttggtaa gtaaatcttc tgtcgtagat tcgatatttt ctgatcttct cttttcgaat 360

tcttcaatct tcaacgatcc caatcctctt cntctggaaa tctaatttgc ntcctcctc 420

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aatcga 486

<210> 8872

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-G8

<400> 8872

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ggatatatgg tcatgccact gatgtagaga ttcgtccctt agatgaggaa aaggctgttc 120

aagctgctgt tgacctcatt ggagagatct ttctctttgg ggtcgggtgga gctgttggtg 180

tttttgaggt gcagagaagt tcgcggtcag aagcaagaaa agaggaagca cgtaagcaag 240

aactagagga gttgagaata aaagatgaag aactagaaaa gcaagtggca gatctcaaga 300

gcaagctaga ggagcttgaa caacttgcta aggcacgang actgagcggg attttccagt 360

taaaaccaca gcctggtact accgctagtg ggaaaccaga caaatccagt tgaatcatca 420

tcatcatcat cctattcaat ctaagaanan tcaaaccaaa gttaacaata cggtaatgat 480

ccttttcaca a 491

<210> 8873
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-C1

<400> 8873

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tgttcatggt gttgttcaag tgaagaagct caattatggt tacaacattg ttgtaatttc 180
aaaacttcat aagaatttct ctgataataa agaaaaagct ggagtagaac tatttttaaag 240
tgtcatcatg aagagactaa gcagctcaga ttcaatgtgt ggtctaattc ccacttctac 300
agatgaacag agtccaagag ggtacggaag taattaccaa tctatgcttg aaggttacga 360
tgaagatgct acactaatcg aggaatattc cggnna 395
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<210> 8874
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-003-Q1-E1-E5

<400> 8874

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tacagaaacc ctagaatatg tggtcagtc aatcaaagct atattttctt aagcagccgc 180
aagttttctca gctcggggag ttacgtttca gaaatgcgga gaacagcttt cgagggtaac 240
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cctgaagaga gttttggtcc attcacggtg gatgagcgtc cgggggagca gtggattagc 360
ttgagaagaa atttggggaa aaaggaagat attaagattg aagcaaccat gttt 414
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<210> 8875
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-H7

<400> 8875

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gttctctca atcaccaatc gcgttcgctc tactttcgtc gtcaccgatc gagctgttcc 180
tttactcaat cgatcatctcc ttcgattccg caacttgaag cgaatcaggt tctctgattt 240
cactcaggat ctcaattcga ttcttctcca ggtttctcgt tccggtttgg atttcgaatc 300
ggtagatgtc tcgcaaacgc gctatttccc agattttgag atgaagaatg tcaaggaatt 360
gaaatgttat ggagttggag gttttagtga tagcgatctg ggtttcaatc gggagtgaat 420
tttccgttgc taga 434

<210> 8876

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-095-Q1-E1-C8

<400> 8876

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ctattactaa gctatgatgc tatacttact ctgtggcgcc ttttaggata gatctttata 180
tctgctatta tgggtattagc tcttctaggt ttggttggtg agcatggaca tgtcatggta 240
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gccgtcttga cttattctct ataacacgca ctggcctgct gtcttcacac agcgtccttg 360
aaccctaca cttgaggtcg ttctttcgta tccataaatg ttttgtctaa aaaacattgt 420
taaaaggaaa gtaagatga 439

<210> 8877

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-026-Q1-E1-H7

<400> 8877

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tgggtgctgag ttttaagaaac ctgctcactt gaagcagcat atgcagagtc attcgctcga 120
gagatctttt acttgctatg tggatgattg tgctgctagc tataggagga aggatcatct 180
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gagtgaattc tcagtacagg gaaatgttgg taggcatggt aagaaatata atagtaatga 300
caaccgtgat aaggacaata ctggtttggg cgatgggtgat aaggacaata cttgtaaggg 360
ggatgatgat aaggaaaaat ctggtagtgg gcggttgtga gaagggaaaa tg 412

<210> 8878

<211> 376

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-137-Q1-E1-G11

<400> 8878

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cgacgtttct ccaccgtgat cagaatgtca gcctcttctt caccgctcc tccaaccacc 180
gccacctcga agtccaagaa gggaacgaag aaagagattc aagagtcgct tcttactccg 240
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aaccttaacg aagcagagtt cgaggctctg cttcaagagt tcaggaccga ttacaaccag 360
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<210> 8879

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-131-Q1-E1-G1

<400> 8879

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gttgtgaaac agaaaagaag tatgggtact cacattgata tcaacaactt aggcggcgat 180
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 tttgatgagc ttcagagcac attaggtgag cgggggaaag attttgggtc tatgaatatg 300
 gatgagttac tcaagaacat atggactgct gaggatactc aagcctttat gactactaca 360
 tcttcggttg cagcccgga cctagtgggt ttgttccg 398

<210> 8880
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-089-Q1-E1-D7

<400> 8880

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 gtgtttccgt ctctctcct cctaattgtc ctgtagattc agaggaatac agagcatttc 240
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 aacctcagga tacttctggt agatctgaca atgggtggagc caatgaatca gaacaagcct 360
 ctcttgcttc ttccaaagct acaccaatga tgagcagtgc tataacaagt ggatctgagc 420
 tctctggtga tgaagaagaa gctgatggtg aa 452

<210> 8881
 <211> 351
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-045-Q1-E1-E7

<400> 8881

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 gttctgacat cataaattca gaccgagaaa acataaaaat ttgagtcttt tgatgatcgg 180
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ctctgccgta gaacccatct cgttcaatct ttctccgctg tcttctctta ctggttttac 300
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<210> 8882
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-034-Q1-E1-A7

<400> 8882

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aatttgatcg tcctgaattc atcgctctat ttaggggttc gatcacaatc tgaagaggag 180
gtcatggacg tttctgctag aaagtcacaa aaagctgggc gcgaaaagtt gaggagggaa 240
aaactgaatg agcattttgt tgaactggga aatgtactcg atccagagag acccaagaat 300
gacaaagcca cgattctgac tgatactgtt cagttgttga aagagctcac atctgaagtc 360
aaciaaactga aatctgagta caccgcattg acagatgagt cccgcgagtt gacacaagag 420
aaaa 424

<210> 8883
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-H4

<400> 8883

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aaggttttga agtacttacc tagtgacaag gctcaagatg ctcgtctcta catcttgagt 180
ttacagtttt ggcttgaggg ctctcctgat aatcttcaga attttgtaa gatgatttct 240
ggatcttatg ttccggcttt gaaaggtgtc aaaatcgagt attcggatcc ggttttgttc 300
ttggatactg gaatttggca tccacttget ccaaccatgt acgatgatgt gaaggagtac 360

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<210> 8884
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-H4

<400> 8884

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gatggagatt gaagtgaaga taattggttg ggacgcaatg attagagttg aatctagtaa 180
gaggaatcat ccggcggcga ggttgatgtc ggogttgatg gatttggagt tggaagtga 240
tcacgcgagt atgtcggtag ttaacgattt gatgattcaa caagcgacgg tgaagatggg 300
ttttaggatc tatacgcaag aacagctcag agcaagtttg atttcaaaaa tcngttaaaa 360
gggtgtgttt tgggga 376

<210> 8885
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-F9

<400> 8885

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actctcgagc tttctccgac agattctttc ccgtactcct acagctcaac cttcttcacc 120
accgaagagt actaatgttt cctccgctga gaccttcttc cttccggttt ccggcggagc 180
tgtttcttcc gtcggttatg gagtctctga aactggccaa gacaaatag ctttcgaaca 240
caagagaagt ggagctaaac agagaaattc gttgaagaga aacattgatg ctcaattcca 300
caacttgtct gaaaagagga ggagcaagat caacgagaaa atgaaagctt tgcagaaact 360
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<210> 8886

<211> 376
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-133-Q1-E1-B2

 <400> 8886

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 ttgatgggtt taagagagta aagatcatca agtactatgc attaaattga gaagttatta 180
 aaaatttcga aagtaattaa agattgttga tgatgaagag attaagtagt tcagattcag 240
 tgggtgggtc catctcttta tgtcctaaaa ctccacaga tgagcagagt ccgaggagat 300
 acggtgggag agagtttcag tcgatgcttg aaggatacga cgaagaagaa gaagctatag 360
 tagaagaaag aagaca 376

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 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-070-Q1-E1-E7

 <400> 8887

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 gatcgtttct tcacgtatgg gtcgtagata gatcttaatc gataaccatc tacgccttga 180
 tctaaccatt caatataaac tttatttcct tcttcttttc gatctcaatt gttccgacca 240
 aacaagatga agagatcacg tgggagctcc gattctttat ccggtttctt accaattcgc 300
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 ggggccggag actactccca gatgtttgac gca 393

<210> 8888
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-058-Q1-E1-F6

<400> 8888

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tcttggtggt gattggtatt agatgactat ttcttagtat tagtcaattc tctgtttcca 180
tcttatatgg atagtctaga cacagagcaa agatccttct ttggagaaaa agaagatgag 240
agacgagaga ggatcgtttc ttcacgtatt ggtagtagat agatcttaac cgataaccat 300
ctaggccttg atctaaccat tcaatataaa ctttatttcc ttcttctttt cgatctcaat 360
tggtccgacc aaacaagatg aagagatcac gtggaagct 399

<210> 8889

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-029-Q1-E1-B8

<400> 8889

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cagagccatt cttgaccatg aagaagatga agaagagcaa ccacaacaag aacaatcaga 180
gaaggtttag cgacgagcag atcaagtcac tggagatgat gtttgagtct gagacaaggc 240
ttgagccaag gaagaagggt caattagcta gagagctagg gttgcagccg aggcaagtgg 300
ctatatggtt tcagaacaag agggctcggt ggaaatccaa gcagctcgag actgagtaca 360
acattctcag acaaaactac gacaacttgg cttctca 397

<210> 8890

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-015-Q1-E1-G5

<400> 8890

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aggatcaaaa atgggaaggg gtagggttca attgaagagg atagagaaca agatcaatag 180
 acaagtgaca ttctcgaaaa gaagagctgg tcttttgaag aaagctcatg agatctctgt 240
 tctctgtgat gctgaagttg ctcttggtgt cttctcccat aagggaac tcttcgaata 300
 ctccactgat tcttgatgg agaagatact tgaacgcgat gagatgtact cttacgccga 360
 aagacagctt attgcacctg agtccgacgt caatacaaac tggtcgatgg 410

<210> 8891
 <211> 374
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-014-Q1-E1-G10
 <400> 8891

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 tgagatgggtg aatggagaat catcaactag tacgtcttac tctgatagta acaatgacac 180
 aaatgatcaa ggaggagact ttgaatgtaa catttgtttc gaactagctc aagatccgat 240
 tgtcactctc tgtggccatc tcctttgctg gccttgctta taccgttggc ttcaccacca 300
 ttcacattct caagaatgtc cgtttgttaa agcgtgggtt caagaacgat aagcttggtc 360
 ctctttacgg taga 374

<210> 8892
 <211> 373
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-115-Q1-E1-B2
 <400> 8892

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 caggaggagt atgagatgaa agagagacaa cgttggagtg gtgaagaaga tgcattgtta 180
 cgtgcttacg ttagacagtt cgtccgaga gaatggcatc ttgtgtctga gcgtatgaac 240
 aaacctttga accgtgacgc caagtcttgt ttagagagat ggaagaatta tcttaagcca 300

gggatcaaga gagggctctt gacagaggaa gagcagaggc ttgtgattcg tcttcaagag 360
 aaacacggca aca 373

<210> 8893
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-087-Q1-E1-A8
 <400> 8893

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 tgaagaagat gcattgttac gtgcttacgt tagacagttc ggtccgagag aatggcatct 180
 tgtgtctgag cgtatgaaca aacctttgaa ccgtgacgcc aagtcttgtt tagagagatg 240
 gaagaattat cttaagccag ggatcaagaa agggctcttg acagaggaag agcagaggct 300
 tgtgatccgt cttcaggaga aacacggcaa caagtggaag aagattgctg ctgaggttcc 360
 cgggaggacg gcaaagcggg taaggaagtg gtgggaagtg ttttaaggaga agcaacagag 420
 agaagagaaa gagagtacaa gag 443

<210> 8894
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-132-Q1-E1-A7
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 tttgttcctt taatcaatca aatcaaagag acttttgaag attgtttccc aatttgcgctc 180
 aatcgggatac gagtcaaac tgaaatcttc tccactcatc atctgactat aagacttaat 240
 caagggactt tttgttcggg tttggtttta aacgtcttgg attcgaagtg gttaagggtat 300
 ggatgaaaat aatggagggt caagctcact tccaccttct cttactaaaa catatgaaat 360
 ggttgatgat tcttcttctg actcggctct tgccctggagc gaaaacaaca aaagcttcat 420

cgtcaagaat ccagcagagt tttc

444

<210> 8895
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-093-Q1-E1-A12

<400> 8895

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gggactaaca tagatccatc ccatggtcag cggatacctt tttatgacca ttcacatca 180
ccttctatgc ctgcaaagag aatcttgagt gattcagaag gcaagttcga ttatcttgct 240
aaccagtggc agatgataca ctctggtctc tccctgaagt tacatgaatc tcctaaggta 300
cctgcagcaa ctgatgcgc tctccaaggc cgatgcaatg ttaattacag cgaatatact 360
gttcttaatg gtctatcgac tgagaatgct ggtgggaact ggccaatag tcca 414

<210> 8896
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-A1

<400> 8896

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ctatcccttg tttttcttct tcgcttcacg gattactcaa agaggttggt ggttgatgaga 180
ataattagct tgtaaacgaa gacgttatga tgcacagat gttgaataag aaagattcag 240
ctactcattc tactttgcca taccttaata ctagcatctc ttggggagtg gttccaactg 300
attccgttgc taatcgctgc ggttctgctg aatcactaag cttgaagggt gattcaagac 360
ctgtgcatat acaaactaca aagcaaatca gttttcagga ccaagattca tcttcaacac 420
agtcactgg tcaatc 436

<210> 8897

<211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-070-Q1-E1-E8

 <400> 8897

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 ccgccgcttc ttccgaaaac cctttcagct ttctttcttc cacctacact tctcctactc 180
 tcctcaccga cttcactcac gatctctgcy ttcccagtga cgacgcagct catctcgaat 240
 gggtatcgcy attcgttgac gattcattct ccgatttcac agcaaactct ttaaccatga 300
 ccgtagagcc cgagatttca ttcaccggaa aacctagaat tcgccgatca agagcaccag 360
 caccttccgt agctggaact tgggctccga tgtctgaatc aaagctttgt ca 412

<210> 8898
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-118-Q1-E1-B3

 <400> 8898

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 agaatctact atatctctca aacatcacca agtgattgtg tcggaagatt taagccgaac 180
 ttcttccttg ccggaagatt tctccgttga gtgtttctc gatttctcag aaggtcaaaa 240
 agaagaagaa gaagaagttg tctctgtttc ttcttcacaa gagcaagaag aacaagaaca 300
 tgattgtgtc tttagttcac aaccttgcat ctttgatcaa cttccttctt tgccggatga 360
 atatgtggaa gagcttgaat gggatatccg tgttgtggat gattgttcat caccag 416

<210> 8899
 <211> 409
 <212> DNA
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 <223> Clone ID: LIB24-124-Q1-E1-A2

<400> 8899

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accacactc tccgtcatcg tatctcgact ccttcgcttc tctcttccgt tacctcccg 180
caaacgagtt aacaaacgat tcagactcat caagtggcga cgagtcatca gcaactcagcg 240
actcagtctc ctccgacgag ttccgcatct acgagttcaa aatccggcga tgcgctcgac 300
gtcgatctca tgattggacg gagtgtccgt tcgcacatcc cggagaaaaa gtcgacgac 360
gtgatccgag aaagtttcat taatccggca ccgcatgtcc tgagtttcg 409

<210> 8900

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-126-Q1-E1-G8

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acagcgtaa cgactacca cactctccgt caccgtatct cgactccttc gttctcgt 180
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ggcgatgcgc tcgaggtcga tctcatgatt ggacggagtg tccgttcgca catcccgag 360
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<210> 8901

<211> 359

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-124-Q1-E2-A2

<400> 8901

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acccacactc tccgtcaccg tatctogact ccttcgcttc tctcttccgt tacctcccgt 180
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<210> 8902
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-090-Q1-E1-F7
 <400> 8902

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 catgatgtgt gggacactca gttgaacggt ctcaagtttg accagttcag tcccttgatg 180
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 tttccagata attc 434

<210> 8903
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-F3
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 agtcgaggaa cctgtttttg ttaacgcaaa gcaataccat ggtatactca ggcgcaggca 240
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tgaatctcgg catttacatg cgataagacg gccaaagagga tgtggtggcc ggTTTTctcaa 360
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<210> 8904
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-059-Q1-E1-D4
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 ccggagaaga agccgacgac gtgatccgag 390

<210> 8905
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-135-Q1-E1-A6
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 gccatttacc aagtcattct aggcgtggtt gcctcgccgt tcgatgatgt taaccgacat 180
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 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-G9

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<210> 8907
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-010-Q1-E1-C8

<400> 8907

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 gccaaagtct catcaaatcc ttcatgtgcc agcgtctgga actcttaaac aaacaaaata 360
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 aaatggg 427

<210> 8908
 <211> 419

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-132-Q1-E1-F9
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 cttcaccaac gtttctgcca acaatgcagc aggtttcacg cgctcagtga gtttgatgaa 360
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<210> 8909
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-H7
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 agaagaaaga agaaggctgt tcacaagacc actacaaccg atgacaagag gctccagagc 180
 actcttaaga gagttggagt caattccatt cccgccattg aagaagttaa catttttaag 240
 gatgatgtag tcattcagtt cattaaccct aaagttcaag cttcaattgc tgctaacaca 300
 tgggttgatga gtggtacacc acagacgana aaattgcaag acattcttcc tcagattatc 360
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 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-058-Q1-E1-H3

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gaagaagaag aagaaactga agatgaagat acttttgaag aagaagaggc tttggagaag 180
aagcagaaag gtaaagctac aagtagtagt ggagtttgtc aggtcgagag ttgtaccgcg 240
gatatgagca aagccaaaca gtaccacaaa cgacacaaag tctgccagtt tcatgccaaa 300
gtcctcatg ttcggatctc tggctttcac caacgtttct gccacaatg cagcaggttt 360
cacgcgtca gtgagtttga tgaagcca 388

<210> 8911

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-025-Q1-E1-C8

<400> 8911

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gttcttgaaa actaggggtt acttcaccaa aagataagat ctttccccag aaaaagcaat 180
acccaagtca tgtttctgtg tgtctgtata tagataaaac attacatacc ctaataaggt 240
tacacaaata gctataaaag agggaaaata agatagggat tttttggggt gaggaaagat 300
gggaagagga agagtagagc tcaagaggat agagaacaaa atcaacagac aagtgcggtt 360
tgctaaacgt agaaatgggt tgctgaaaaa agcttatgag ctttctgttc tctgcgatgc 420
tg 422

<210> 8912

<211> 351

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-C12

<400> 8912

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 gaacagacgt ttgacgaaga agaggctttg gaaaagaatc atacaggtaa agctacaagt 180
 agtattggag tttgtcatgt ctagatttgt accgccgctc tgagcaaagc caaacagtac 240
 cacaaacgac acatagtctg ccaatttcat gccaaagctc ctcatgttcg gatctctggg 300
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<210> 8913
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-047-Q1-E1-A12
 <400> 8913

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 attcaaaaaca aaattttcat taagatttca caacctccac acatttccaa acacaattaa 120
 agagaggaaa aagaatcaat aaccctataa ataaaaaatc agacaaacag aagtttcctc 180
 ttctttcttcc gtaagctagt accttttgtt cttgaaatta ggggttaattt cttttttcca 240
 aataccatca attctccaga ccataaaaaac tcaaaaagat cagatctttc ctctgaaaaa 300
 gagataccca acttatgttt ttgtgtgtct gtatatagat agacattaca taccatatt 360
 tgtgtagaga cataaaaagt ggcaattaag gta 393

<210> 8914
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-028-Q1-E1-A3
 <400> 8914

aatattgtag gcctcatttt gagcagcttt tcaaggagtc tggtagtttc agcaagaact 60
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 gtcgacttgc tggtatgttc tctggaacgc aagacaaatg cgctacttgc actaaaaccg 180
 tgtatcctat cgaaaaggta actgtggaaa gccagtgtta ccataaatct tgcttcaagt 240

gttctcatgg aggtgtccg atatctccat cgaactatgc agctctagag ggaatattgt 300
 actgcaagca ccatttcgct cagcttttca acgagaaagg aagttacagt catctcatca 360
 aatctgcttc catcaaacgc gctactgctg 390

<210> 8915
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-016-Q1-E1-A5
 <400> 8915

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 tatcaaata caaccaaaaa aaccaaagaa agctaattaa agttttctct ctagctattc 120
 ctcttctttt cttgttcttg aaaactaggg ttacttcac caaaagataa gatctttccc 180
 cagaaaaagc aatacccaag tcatgtttct gtgtgtctgt atatagataa aacattacat 240
 accctaataa ggttacacaa atagctataa aagagggaaa ataagatagg gattttttgg 300
 ggtgaggaaa gatgggaaga ggaagagtag agtcaagag gatagagaac aaaatcaaca 360
 gacaagtgac gtttgctaaa cgtagaaatg gtttgctgaa aaaagcttat gagctttctg 420
 ttct 424

<210> 8916
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-060-Q1-E1-F5
 <400> 8916

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 tccgattaag agaagcaaat cgggtcgggt atgactcgtc gatgttctca ctgcaatcac 120
 aatggccaca actctcgac ttgtcccaat cgcggcgtga agctctttgg tgttcggctc 180
 accgaaggtt cgatccggaa aagtgaagt atgggtaatc ttagccatta cacgggttct 240
 ggatcgggtg ggcattggaac cgggtccaac actcgggtt ccccggtga tgtccctgac 300
 catgtcgctg gtgatggtta cgcttctgag gatttccttg ctggttcttc ctcaagccgc 360

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405

<210> 8917
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E2-A5

<400> 8917

cagcagttaa gtggtactga gataaatgat atagtttctc ttcaagaaca gtttctcatt 60
accacacctt tcctttttgc tgatctatcg taatcttgag aactcaggat caatggagga 120
aggtgggagt agtcacgacg cagagagtag caagaaacta gggagaggga aaatagagat 180
aaagaggata gagaacacaa caaatcgtca agttactttc tgcaaacgac gcaatggtct 240
tctcaagaaa gcttatgaac tctctgtctt gtgtgatgcc gaagttgcc tcgtcatctt 300
ctccactcgt ggccgtctct atgagtacgc caacaacagt gtgaggggta caattgaaag 360
gtacaagaga gcttgttccg atgccgtcaa cctccttcc gtcaccgaag ctaatactca 420
gtactatcag caagaagct 439

<210> 8918
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-A5

<400> 8918

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aggtgggagt agtcacgacg cagagagtag caagaaacta gggagaggga aaatagagat 180
aaagaggata gagaacacaa caaatcgtca agttactttc tgcaaacgac gcaatggtct 240
tctcaagaaa gcttatgaac tctctgtctt gtgtgatgcc gaagttgcc tcgtcatctt 300
ctccactcgt ggccgtctct atgagtacgc caacaacagt gtgaggggta caattgaaag 360
gtacaagaaa gcttgttccg atgccgtcaa cctccttcc gtcaccgaag ctaatactc 419

<210> 8919
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-012-Q1-E1-G11

<400> 8919

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tcatggttca gatgctaatac gaatgagtca tgatattagc cgtatgcttg ataaccacc 180
taagaagatt ggacatcggc gagctcattc tgaaataactt actctccctg atgatttgag 240
ctttgatagt gatcttggtg tggttggtaa tgctgctgat ggagcttctt tctctgatga 300
gactgaagaa gatttgctct ctatgtatct tgatatggat aagtttaatt cttctgctac 360
atcttctgcc caagttggtg agccatcagg aactgcttgg aaaaatgaga caatgatgca 420
gac 423

<210> 8920
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-001-Q1-E1-D10

<400> 8920

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cctgaacagg aaatctcaaa cgagactttg gaaactatat tggtaagttc aacaaaagga 180
agcaataata acaataagaa aatggaagaa gaaatgaaga agaaagtatc aagaggagaa 240
ttaggaggtg aagctcaaaa ttgtccaaga tgtgaatctc caaacacaaa gttttgttac 300
tacaacaact atagtctctc acaacctcgt tacttctgca aatcttgtcg gagatattgg 360
actaaaggcg gtactcttcg taacgttccc gtcggtgggtg gttgccgtcg aaacaaacga 420
ttctcttccct cagctt 436

<210> 8921
<211> 408

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-062-Q1-E1-F9
 <400> 8921
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 tttttcaatt tctgggttaa ttttttttag ggttttcatt tggaatcatg tcggatgcgt 180
 attgtacgga ttgtaaaaag gagacggagt tggttgtcga tcactcagcc ggagataccc 240
 tttgctcoga gtgtggtttg gttttggaat ctcaactccat tgatgagacc tctgagtggc 300
 gtaccttcgc taatgaatct tccaacagcg atcccaatcg tgtcgggtgg ccaaccaacc 360
 cgcttctcgc tgatagtgtt ttaaccactg ttaccgctaa gcccaatg 408

<210> 8922
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-136-Q1-E1-B11
 <400> 8922
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 cattggaact cgacgctgaa gcgaaaatgc agcgtcgaag ggcaaagttg tgatttttgt 120
 ggtaatggag ggtatgatgg taatttagga gaagagcaac cgttgaaacg tacggcgagt 180
 ggtggtgggt gtgtctcgac tggcttgtat atgagtcccg gaagtccatc gggatctgac 240
 gtcagcgagc aatctagtgg tgggtgcacac gtgtttaaac caacggtttag atctgaggtt 300
 acagcgatc cgtctgggtga agatcctcca acttatctta gtttgtctct tccttggtact 360
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 g 421

<210> 8923
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-069-Q1-E1-F1

<400> 8923

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gaagatactt ttgaagaaga agaggctttg gagaagaagc agaaaggtaa agctacaagt 180
agtagtgtag tttgtcaggt cgagagttgt accgcggata tgagcaaagc caaacagtac 240
cacaaacgac acaaagtctg ccagtttcat gccaaagctc ctcatgttcg gatctctggg 300
cttcaccaac gtttctgcc acaatgcagc aggtttcaag cgctcagtga gtttgatgaa 360
gccaaagcga gttgcaggag acgcttagct ggacacaacg agaga 405

<210> 8924

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-D3

<400> 8924

acagatactg tttctgctca tgggttttag ctttcttggt gtaagcgtg gtggtatcag 60
accgtgtaat ttagcgtttg gtgctgatca agttcaaccc caaatccgaa tcaggaaaga 120
aagggatcaa cagtttcttc aactggtatt tcttcacttt cacgttcgag cagatcatct 180
cgctcacagc agttgtgtat atccagtcaa atgtgagttg ggacaatcgg tttgatcatt 240
ccggtggctc ttatgttctt ggcgtgtgtg attttctttg ctggcgatan attgtatgta 300
aaagtgaag cctcgggtag tccattggnt ggtattgtc ctgttataac agccgncatn 360
aaganacgan gtttgaagcc ggttaaagc ccttgggtca atccttataa caagatnccg 420
gtctaag 427

<210> 8925

<211> 496

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-D8

<400> 8925

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 cgcgctccgcg gacgcgtggg gaacgttttag caatgcaatc tgtagatct cttttctcga 120
 aagagatact agatgttata gcaaccagca cagctgattt gggtcctctt agccttgatt 180
 cttttaagaa aaacaatttg tctgcatcat ggcggggaac cggagtagac cctccttta 240
 gacattctga gaatccagca actcctgatg tcaaactctaa taacctgaat gaaaaacgtg 300
 acagcatttc aaaagatagt atccatcaga aagttgagac acctacaaag attcacagaa 360
 ggcaactaag agagaaaagg cgtgagatgc gggcaaatga gttaattcag cacaatgatg 420
 acacgatttt gaaactcgan aaatgctgcc attgaacgct cgaagtctgt tgattctgca 480
 agtccttggn aaatac 496

<210> 8926
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-E12
 <400> 8926

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 tcttttttct tgtttgggga agaagccatt ggtttcttta aacgattgaa tctataaaan 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnncn tctgagggag atttttntc tgttgatgcy ttgatacgaa ntttgccgtt 300
 gttttgttga attctaggaa tagtgattan gtgggttaggg tttctggttt aantgnccat 360
 cagggcnang ttcccttann gggngggagt tacaggagtg atgatgatct cn 412

<210> 8927
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-E2
 <400> 8927

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ttttcctctt tttaattcct caccacctca aattcttcat aaacaaatcc acttctgcat 180
ggttgggaga atctgttaga gaatttttgt tgttggtggg ttcagatttg gaaaatttcc 240
tttttttcga gtttcttctg aattattcat ccgtggagat tctcggatcg ggaagggctg 300
cgagagggtg ttttcacggc ggggatagat tcatcttctg tcttctctg agggggtagc 360
cgangctccg gcctcggcgg tttttaaac cctaccttta caaattctgg ggaaattaga 420
aaaaaaaaagg tttgattttt cagtttttgc tctgttcctt ctctcga aa gtttttggtt 480
tggtccnaga 490

<210> 8928
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-F10
<400> 8928

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gatccttcat atccaaggcg gtcaatgtgg aaaccagatc ggagcaaagt tctgggaagt 120
gatctgcnac gaacacggna ttgatcacac cgggtcaatac gtcggcgatt ctccgttaca 180
gcttgaacgt atcgatgtct atttcaacga anctagcggg ggaaagtacg ttcctcgcgc 240
tgttcttang gatctggaac ctggtaccat ggattctctc agatctggtc cgttcgggtca 300
gattttccgt cctgataact tcgtcnttgg tcaatcnggg tgccggaaat aactgggcga 360
aaggtcatta caccgaaagg tgctnagttg anttgantcn gntcnccaag gttgngagag 420
aaaggg 426

<210> 8929
<211> 508
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-F2

<400> 8929

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caagttaaac atgatgggat tttatgtaaa tagaggcaag ttggagcgga tggaaccttc 180

aacaacatct aaccagcaac ccaaaaaaac ggcgacgaaa agattcagca aaaccctgtc 240

gtgatgcagt tgacgtatcc gataaacaca ccaagttgtc tataacagct aggaaaaagg 300

atcaatcaac tgctcctggg tcctggaaaa cacaggagtc acctttgcct tctggagcgc 360

aagatgcaaa tacttcagta cctctgggat gatgtgaagc attctgatag agcaaatcat 420

caatctanga atgatacaag tcacaagtca aagggaact ggattctccn agtgccccctt 480

catccagaaa ttcagcaacc aanaagct 508

<210> 8930

<211> 481

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-F3

<400> 8930

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cacgtctgca naagtcaang ctttggtgag agaccctaag gtggctgggt tgaatgaaaa 120

actcagcggc tgtgcagaag tacctcgagg agctagtcaa aattgaattc cccggatcaa 180

aagcggtgag tgaggcttcg tctagcttcg gagctggcta tgtcgcanga ccggtcacgt 240

tcatattcga gaaggtatct gttttcctcc cggaggaggt gaagactaaa gaaataccgg 300

tggaagaagt gaaagctgaa gaacctgcca naactganag aaccagccaa aaccgaagga 360

acaantgggtg anaaagagga nantgtttga aggagacaaa gaaaaagcga agacccttg 420

aaaccgcggt cgtgngagca agaaggaaan caacnagnta gaaggacaag aaaggaagan 480

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<210> 8931

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-F8

<400> 8931

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnna gagagaaccc aatgaaaaca actccggaat cttatacact ccctcacctt 240
caccgtcacc gccaaacttta aaagtcaaca aagactctca cgttattaaa aaaccaccgt 300
ctccgtcttc tttctctctc gcggtctaagc ctcgtcaccc ggtgatcatt tacacacaca 360
ctcnaagaat catacacact aatcctaaag atttcatggc tctgttcaa aaactcaacg 420
ggaatgaccc actccgacga aggattccgg n 451

<210> 8932

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-F9

<400> 8932

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gcaggaaaca caatatagag ccaaggaacc ctgaggccta ctttggacag aagcgtaact 180
ttctcaagaa caaagtcagg ctggattttg tgagggaaag gaggagagtg aagagagaat 240
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cttataacgt gcacgaagag ctaacggcta agaagaaaca gatggaaatg atgatgggaa 360
acaatccaca agaaactggt anagttcc 388

<210> 8933

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-G10

<400> 8933

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 agcgggtgaat caaacacttg cgtacctcaa ggaactgaag ccacagcttg agcanatgct 180
 gacttttagct gagccaaagg ttctcgctgc aatgcaacca ttacagcgag ctaagactat 240
 gcacttgcta nctgaagcca ccactactct ttaccaactg aggttgaaat gtactgggtg 300
 tgatcctgat gatcatcgtg taaaatctga aatgagcgga taaacgtgta caagagagaa 360
 nnttcaaaan ntgtggttgn ttcaaagtta aagggacctt ttngccccg 409

<210> 8934
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-G2

<400> 8934

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 aaagatgggg cgtgttagna ancaagaccg tgaagaaatc ttctcgtaaa gtcattgaga 180
 agtactactc tcgcatgact cttgactttc acactaacan gaagatcctt gaagagggtg 240
 ccatcatccc atcaaagaga ctccgcaaca agattgctgg attctccacc cacttgatga 300
 aacgtatnca agaagggacc attccgtgga atctcactca agcttcaaga agaagangcg 360
 tgaacnccgt atggactttt gttcccngat gaagtctgcn atcaagactg atgangatnn 420
 aagtcgacaa aaagaactct tgagatgctg nntctctaag aaatgtcttg anactctcgg 480
 ga 482

<210> 8935
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-G3

<400> 8935

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catttctggg ttcttctctt cttatgctct gtttctttta agacacagaa gaaacagtac 180
agagttgaga ttttcttaaa caaaagtga aagagaagaa acaagtgaca gctcaaacgg 240
acaaaaacca ctcttgggtc tttcttgctt ctgattcttt ctcttctcta atagaagaan 300
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cggttctaac ctaagcannt tcctatgggc acggtgggtc tgtcctggga agccttgggt 480
caagctgcgc atcta 495

<210> 8936
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-G6

<400> 8936

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cgcgaagctg cagttctggg aactgattct gagccatcaa accctcaa atcgtgaagct 180
ggatcaggct ccaattcaaa gatccctgtt agtcgaaact cacctatcgt ctcatctgag 240
atcaacaagc tatcatcacc ttcaagggcg actacttcag tcatgaagaa ctatgaggct 300
aatcttaaag ggatcgagag tctgcatttt tagtcgttgg ggccagtga tgatctgaaa 360
ccccgggaca agtghtaant aaaagacaaa gatgacctct cctagggccc tccctcangt 420
tttaacgtgc atttgtgttt aacagggaag gg 452

<210> 8937
<211> 452
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-G7

<400> 8937

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gcaacatcac agattcagaa cctattaagt gaaaagacag aacttgcgac agagttggaa 120
aactgtaaga aggaagaaga gaaaatcaag aaagctatgg agagtttaac tttggatttg 180
caagaagtat ctgttgaagc aaaggaagca aaggagaagc tcttaacatg tcaagcggag 240
ctcgaacttt gtggagtcca gattgaaagt ttgaagttgg ctgagaaaga tacaaatgaa 300
aagcatggga aaatgcttga agatgcaaga aacgagattg atggcctgaa aagtagtttg 360
gaaaacactg agaatgagtt ttttaattct aagactgagt ggggaacaac gangaacttc 420
atgtgatgct atgtgtgaan aaattggaaa tg 452

<210> 8938

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-137-Q1-E1-D12

<400> 8938

gtgaagaggt tccctcgta gaaactccca aggtagtaga agaagaagtg atagctacca 60
aagctgaaga tgattcgccg gaaaaagaag agcaaacgga aacacttgct gcagcagctg 120
aagctgaaga ggtgggttcct ccaattccag aaacaaaaag tgaagaggaa attgttgaga 180
actctattcc tccaaactca gccactgatg aagtttcatc tccagaagct ttagcaagtg 240
aagagggtga gaaggagcaa gtggttgccg aaacacctgt tgatgaagtc aagactcctg 300
cacctgtagt cacagaagct tcttctgagg aaagtggcaa caccgctact gctgaaagca 360
tcaaaggcat ttcaccaagc tctagtgaag cagctganag a 401

<210> 8939

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-G8

<400> 8939

acgcgtccgg ttcaatgcag aggaaaaaca gaagagcata gacatagaga ctatatgtca 60
actcctagag atcgtcatgg gatctacatt tcgagcccaa gttgactact ttgttgagta 120
tttaaagatc caaaacgact acaaagtgat aaacatggac caatggatgg gactttaccg 180
gttctgtaac gagataagtt tcccggacat gggggactat aatccagagc ttgcatggcc 240
attgattctt gacaattttg ttgagtggat tcaagaaaaa caagcctgaa atcatttctg 300
agtccctca agtcgaagct tcaaattctt gcaggatgat cagtgggctc tctcatcaaa 360
caagattcaa gcacattttt acttcaagtt ttcattcttc aaacattaaa aaaagacaca 420
ttatatgatt cctggg 436

<210> 8940

<211> 382

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-136-Q1-E1-H1

<400> 8940

tctctctttc ctccatctct ctgtgttctt cttacagaca ccgagaatgg cggatcctga 60
tctgtcttct cctttgatcc accatcaatc ctccgatcaa cctgaagttg ttatctctat 120
cgccgacgac gacgacgacg agtcaggact caatcttctt ccagccgttg ttgaccctcg 180
tgtttcacga ggttttgagt ttgaccatct taatccttat ggctttctca gcgagtcaga 240
gcctccggtt ctcggtccga cgacggtgga tccattccgg aacaatacac ctggagttag 300
cggattgtac gaagcgatta agctcgtgat ttgtcttccg attgctctga ttaagacttg 360
ttctctttgc tgcgtagctt an 382

<210> 8941

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-H11

<400> 8941

acgcgtgggg agaaaatggc gatgttagtt gagccaccaa atgggattaa gcaacaaggg 60
aaacattact actccatgtg gcaaacattg ttcgaaatcg atacaaagta tgttccgatt 120
aaacccattg gaagaggagc ttatggtgtg gtttgttctt ctatcaatcg tgagactaat 180
gagagagttg ctattaaaaa gattcacaat gtgtttgaga atcgtgttga tgctttgaga 240
acgttgaggg aacttaaact tcttaggcatt gtgaggcatg agaatgtgat cgcgcttaaa 300
gatgttatgt tgctgctaa tagatccagt ttcaaggatg tttatttggt ttatgagcta 360
atggatactg atcttcatca gattattaaa tcctctcagt ctctttctga tgatcac 417

<210> 8942
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-H4
<400> 8942

ccgtgcaana atccaggggc ganncacgcg tccggtannt tgaaatgtca agaatgtaga 60
agagcgtttc aagctgtgac gataccaaaa cctccggtgg ataagaaaga cgacgaagac 120
gtttactttt gtcctatgggc tttgtttcca ttgggggtttt ccggtgaatt tcaagctcca 180
agttggtcac ctatttcacc tctctttgcc tgtcctctgc aaaagttgga tgggtgaacca 240
aagaaganaa aggaaccggg tcctcctagg atttactatg acgatgatga catttatgtt 300
gcgatttcgg atggagatga cgctggtgat gatggtgatt ggcaagatgt ggtacaagtg 360
aataagaaga cgaatgttgg gaaanggaaa ganacatatg ttngaagttn caagaancct 420
gggagtttgn agaagtccaa aatt 444

<210> 8943
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-H5
<400> 8943

gaaaatagtg ttgaagagaa naattctctt aacaatttga atgagcctgc taattcactg 60

aagggttataa atgtgtcagt tggtaatcca cctggtgaaa aagctgttct tattgatcaa 120
 actatgggac atcacttgga agaatcggcc acttcaattg agtcattgaa gttaacttcc 180
 gagagggaga ctctcaccac accgaaaaag actcgcaagc ctaaaacgaa naactctgaa 240
 ggtggaattc aagtttttca agctggccct gggcttacga agaaagaang tacagagaag 300
 gggagagntn aactacgaen gtagctggcg agattatctc tgaggagctc ctatcacaga 360
 agnagagttt aaanancaac gatnnagagt ctcnantgcc cccnaagttg caatgg 416

<210> 8944
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-H7
 <400> 8944

ctgtttgcaa atggaaataa ggattttaag ccgctanctt ggattctacg gattanggtt 60
 gcacttgatg cagctaaagg tcttgcatth cttcanagtg atcccgtcaa agtcatttac 120
 agagacatca aggcgtcaaa catcttactg gactcggact tcaacgcaaa nctttcagac 180
 tttggtttag cgagagacgg tccaatggga gaacaaagtt atgttagtac aagggtcatg 240
 ggtacttttg ggtacgcagc tcttgagtat gtctcaacag gccacttaaa tgctacaagc 300
 gacgtatata gtttcggggg tgttctgcta gaactacnat gtggaaggca ggactaaac 360
 cataaccgcc cnggccaagg gagcaaaanc ctgggga 397

<210> 8945
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-H9
 <400> 8945

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 aaacctcttg gcagattcat caattcaaag tccggcggac ggaaactttt cttctccgtc 120
 gttagagctt cttccgatga tgctgattgt aatgccgaag aatgtgctcc cgagaaggag 180

gtaggaacag tgagtatgga atgggttagct ggagagaaga cgaaagtggg gggaacattt 240
 cctcctcgga agccgcgtgg ttggactgtc tatgttgaga aagatactgc tggtcagact 300
 aatgtttact ccattgagcc tgcaagtata tgttgagag agcgcgatta gctcaagtac 360
 tgcattgatca tcggctgang gggctgatga acncagcagn aatcgttagca ggcattgct 419

<210> 8946
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-A7

<400> 8946

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 tctcgtatga aagtaatatc tcaaactcatg aagatgcctg aacaagtctt ggaggctcaa 120
 ggagttacac ctgatgatct tgaaggaatg ttggctgagc tgcaggaaca cgtcgagtcg 180
 atagatttgg ccaatgggtt gatcttacat aactaagtct ttgtttttcg aggttctttt 240
 ttttaataata ttatttggat cnttaaagt tttagatctt cactccattg gaggttttgg 300
 tcctctcctt agctatctca agaactctaa tgcgaaaatt cgagcaaagt ctgccgatgt 360
 ttgactacg gttgtccaag acaanccaag naaccagcaa ctttgttatn g 411

<210> 8947
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-A8

<400> 8947

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 ccaggggttct atagacgatg cccatggctg tgcttttgac cgtcagctgt caaaactgag 120
 ttcctttaac ttcagatcct gcaataacaa taggagatct tcgcagatgt ctgttccgcc 180
 agaagaattg aggtgtccga tatctttgca gcttatgtat gaccctgtca ttatcgcgtc 240
 tgggcaaaca tatgagagaa tctgtattga gaaatgggtt agtgatggac acaacacatg 300

tcccaaaact caccagcagc tctctcatct ttgcttgact cctaactact gtgtcaaggg 360
 ctctaatttc tagctggngt gaacaagaac ggcgttcang gtccctgatg gacccctga 420
 gtctccaaga ccttaactat tgggngggtg gc 452

<210> 8948
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-B2
 <400> 8948

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 acattacttt cctctctcgg aagagcctct cgatctgctc cacttgccctc taagctcctc 120
 ctctcggca ctctcagcgg tggnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agtagttgtg cttgggactg gttgggctgg 240
 tataagtttc cttaaagatc tcgacataac ttcctacgaa tggtcaggtt gtgtctcccc 300
 agaactactt tgcctttacg ccattgttac ctagcgtcac ttgtggaact gttgaagcta 360
 gaagcattgt ggagtctgtc cgtaatataa ccaagaagaa aaatggggga aattgaattg 420
 tggggaagca gattgtttta aanattgatc atgttaaa 458

<210> 8949
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-137-Q1-E1-B6
 <400> 8949

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 aaagcgggtg atcataaaga tggctcatgg tgagtacaga gagaagggtc ctatcgacag 120
 gaacaaacc ttattacat tgatgggaca acccaatgcc atgcctgtta tcacctacga 180
 cgggtaccgc gccaaagtat gaaccgttga tagtgctctc ctattatct tatccgacta 240
 tttcatggcc gttaacatcg tcgttaagaa cactgcaccg gcaccanatg gtaanactaa 300

gggagcaciaa cccttatcca tgagantctc cggaactttt gctgcnttct acaaactgca 360
nattctncgg tttccnagnt acantcttgt gatgatnccc gggaaaccaa nttcntcaag 420
gatttggttac gt 432

<210> 8950
<211> 397
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-B7
<400> 8950

aaggagaaga aggaatcaag agagtagaaa ggaaatgaat ctatacgcg acgatctttc 60
tcttctcgat ttcaattaca acgtctccgg tcccttcggc gagccactat ctcaccgctt 120
cctctctcct ggccctttct tccaaggcga agaagacgat taccgccgta atacgagcta 180
cagtcacgac ggagctaattg gacgagaacc ggacacagat tcaagagcat ctccgccgca 240
tcgccacgac gggaggtctc cgttacctct gggaatggga ttggagttct cctcctcgtc 300
atgtggaagg aanggacacg ggtttggcca catgatcatn gaactgggtg ggagttactg 360
tgtcactgtc ccttctggg ttgaccttcc cangtca 397

<210> 8951
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-C1
<400> 8951

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ttgaaaccgt gtagccatct tgcttaatga ttagagtctt aaagctgtgc tctttcttca 120
tcgatttgag caagtgatct tggaaggctc ttgagttctg aattccttgt aagcaatcat 180
ggcagggaaa agagaaaact ttgtgagggt ggatgatttg gactctaggt taccatcatc 240
atctgtagcc ttccaacaga actacgcctc caatttcang tggacaactt cctcctattc 300
atgcaagcaa tgaaacttct agatccttca agaaaggat ccaagaangg ttccaaangg 360

cttaagtcna tcggacgttc acttggtttc nggtgtttta cgagcaagtg ttcccaagaa 420
gncctta 427

<210> 8952
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-C4

<400> 8952

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ntgatattat taatctcttg taatgtnatg tttctgttct tgatttttcc tgaagcttga 120
gcatgagtcg catgatcttg ataaacgtga gagggctctt ctgaaaaaag aaacgcanaa 180
ggtgcaagaa gatctaaact ctgctaagtc aaagatggan gagactggtg gctgaatttg 240
aaagtcaact aagaaatcac tcaagctgat caatacaatt ccttaatcct gaaaaccgaa 300
cgaggcagtt gcaganatta ttgaagcttg ctgtcctatg gatcctgatt ccttagaaca 360
agaatacagt gactactcac cacaagctgg tgaaaaaagt tcttgtaact gggctgggga 420
gataangtta ggtaccgtgg gntgaagaaa cctgcgagaa tgatgaagga tacagttcna 480
atccaagc 488

<210> 8953
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-137-Q1-E1-D10

<400> 8953

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caaagtgatg ataatgttgt tgttgttact gctacgactc agagtgcacat tccccatgat 120
tccgagtatt caatttcgag gtttcgaagt atgggtacca cactccctcc tgttgcttcc 180
ctgatgaaga agtgctcagt gaacagcatt tggattgggg tctgcatcac ggctactggt 240
ttggtcgctg cgattagggc ttatgtagtc aggaaagtcn agagataatc agcgtgctgg 300

ctctgttgct gatcttgtga gacgtggcca gctgaggtct ggtgatanna agagctccaa 360
atctcttaac ctacgnaagg accattcaac aagccttttg tgnaaac 407

<210> 8954
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-G7

<400> 8954

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tagttacact tttttcattc ttttttaaga caaaagagat acgatgaagt ctggtctcat 120
cataaccatt gctctgttac tatacacaag cagctttggt cttgtttctg tagcgaaaga 180
gtgtaccaac actcctacgc agctctcatc ccatactttc cgcagcgagc ttctgcaatc 240
aaagaacgaa actttgaaga cagagttggt ctctcattac catttaactc cagctgatga 300
ctctgcttgg tctaagttta ttgccaanga agatgttgaa agaagaagca gatgaatttg 360
cctggaccan gttgtatang aagttnaaag ggncaaaatc ccccgggaaa tttcc 415

<210> 8955
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-E2

<400> 8955

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gtctagttac ctcgacttct ccggtgatga attaggatcc gatctactcg aatcatgccg 120
acaagtgagt cggatcctaa aagaaaccgg agctctcatt gttaaagatc ctcgatgttg 180
cgctcaagac aacgatcgat tcattgatat gatggaaaat tatttcgaaa aacctgatga 240
tttcaaacga ttgcaacaaa gacctaactc tcactatcag gttggtgcga cgccggaggg 300
agttgaagtg ccgaggagtt tggttgatga agagatgcaa gaaaagttca atacaatgcc 360
taatgaatac aaaccacatn ttcccaaagg ngcccatntc nantgtggga aatatatgng 420

ggaga

425

<210> 8956
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-E5

<400> 8956

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ttcagaaaca gctccgattt gggggaaaac tcgagagaga gagaggagca acaacaacaa 240
tatacagcca atggatttag agtcgtcttc ttctgtatct gggcaacaac gatcgttgac 300
tcagagtcga agttcttatg aagaacgagg tagaggagtt aaagagtttc ggagttggtt 360
tccttggtc attccttggt tcgttggtgc taacgttgcc gtcttcgnga tta 413

<210> 8957
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-E9

<400> 8957

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acaagacttt tgaggaacgg gacactctca atgagaagat tgtggaagcc atcaatgttg 120
ctgcaaaaga ttggggtctt cagtgccttc gttatgagat cagggatatc atgcctccta 180
atggagttag agttgctatg gaaatgcaag ctgaagctga acgtaaaaag agagcccaga 240
ttcttgagtc tgaaggagaa cgtcaagccc atatcaatag agctgatggt aagaaaagtt 300
ctgtaatctt ggaatcaaga agctgcaatg atggaccaag tcaatcgtgc acaaggtag 360
gctgaagcaa tattagctag agcacaagca acagccaagg gactggccat ggt 413

<210> 8958

<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-F1

<400> 8958

cgtttgaaac ttgttataga tctgtgcgtt ttcgaatggt tttgttttac gagataaagg 60
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gagcctagat caaatgccag aggaagaccc atgaaactta tttctctata gtttcatgat 180
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taagtcagac acgggtgctt gttgggttta taacgaaaca gcagagcaac cttttgcatg 360
gtgcctacat tanttattag cttcctaaca cgaatggagg cagtctgat 410

<210> 8959
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-136-Q1-E1-F10

<400> 8959

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caacaaaaaa ctgttgtctc tctctctctt tgggtggaatt caaaaaatcg aattcgtggt 120
tgcgtttggt ttttcttctt tcttcgggtc acgagaacaa tgggacaaca aaatttgatc 180
tacagcttcg tcgctcgtgg tacggtgatt ctgcgtagt atacagaatt caaaggaaat 240
ttcactgccg tcgctgcaca gtgtctccaa aagcttcctt ctctgaataa caagtttaca 300
tacaattgcg acggacacac gttcaattac ctgcgtaga atggcttcac gtattgtggt 360
gttgctgttg aatctgttgg gaggcaagat tcctatgggc tttcttgg 408

<210> 8960
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-136-Q1-E1-F11
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 tatcgtatct atagtcggcg ganagttacc aaatcacatc tccaggcgca caacagtacc 60
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 ttcagegaaa tggaggttga gcaagcacia ttagaagatg atgaagaaca agtggagatc 180
 gatatcgtcg acgaagccag tcttctctcc ctgagcatga aaccggacag aaacatggcg 240
 ttgctcgacg attatgagat ggaggagctt ggacacacgc ctaataactca tcatcggagc 300
 ggatatgtgg cggtggtggg gatgccaac gtcgggaaaa gcacgctttc gaatcaaagc 360
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<210> 8961
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-F3

<400> 8961
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 ggagatcncc ganaaganaa aangattcat cgagcttcta ggtcaactaa ccgtcaccgg 120
 atcagtaaca gacgaanaat tcgatcggcg attcgaagaa ntcagatcnt atggtgacga 180
 ccacgtgatc tgcgtgatcg angaagaaac ttcgggaaaa atcgttgcta cgggtantgt 240
 gatgatacag aagangtttc tgaggaattg cggtaaagct gggcacattg angacgttgt 300
 tgtggattca aggtttcncg ggaaacanct ggggaacaan gttgttgagt ttcccatgga 360
 tcattgcaaa tcaatgggtt gccataangg gagtccaa 398

<210> 8962
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-F4

<400> 8962

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 ttatcatctt tcggcttaat cggaaaatgg acgttctcgc cttatcctct tccgcttccg 180
 ccgccgcanc ctccgcttct ctccgccgaa aattcctgtc gtttccttct aggggttagag 240
 tgagaanaaa ccgagagaat ttgttagcta aacagaataa gtttttagtt tctgcttcga 300
 aaagagaaga gcctaagctc aacgaatggg atcaaatgga gctcaacttt ggccggtttac 360
 tcggcnaaga cncgaaattg actttggcta anatagtagc tagaaatgtg gattcagaan 420
 cct 423

<210> 8963
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-F5

<400> 8963

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 caatatcctc caccaccgca gcatcagcaa caacagagca gtcttggtt tctagaagga 180
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 tctctctgca taaagcttcg ggatttattt gtaagagggg tttgggttaa caaaaacctt 300
 aattgatttg tggggcatta aaaatgaatc tctcgatgat tctctttcgt tttatgtgta 360
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<210> 8964
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 8964

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 cgactactta taaatccatt cgaaaatcga tagttgatga atcgatttac cgtctcggag 180
 taganaatat aagctcatcc aaggcgaaaa agatgccatg tgaggttgtt gagttgaaga 240
 tgaatangtg gatagaggcg gttaaggtct cnatgaagac tctcttcaat ggcgaaaaga 300
 ctctatgcga ngaaatcttc gaatcctctg tttctcttag agagttttgt ttccggagac 360
 atctccaagg gaaggagctc ttcttctgtt tggattcccg gaaactatca ccttaangag 420
 a 421

<210> 8965
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-G1
 <400> 8965

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 aaccagggtc taactttgtc agtcaaaatt tggttgacaa ctcaactaca ttctggcgga 180
 aattttacat tttctagcgc tcaggatcca ttctttggag ttggttcgga tgttctttct 240
 ccccgtaaca ttggaagtcc cctagcagac aacgttgaac ttggatcaca gtgctttgct 300
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 catgtcatat ccttgactga agggtcgggt aatccaaagc ntcg 404

<210> 8966
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-136-Q1-E1-G10
 <400> 8966

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 gtgatcttgt cggctcttct ttgcgctctt atctgcgttg ctggtctcgc cgccgtcgta 180

cgatgcgctt ggctccggcg gtttacagcc ggaggagatt cgccgtcacc gaacaaaggc 240
 ttgaaaaaga aagctcttca gtctcttcca agatccactt tcaccgcgcg ggaatcaacc 300
 tccggcgccg ccgctgaaga gggagactcg acggaatgtg ctatttgctt cactgacttc 360
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<210> 8967
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-G3

<400> 8967

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 gccggcttag gggtttctct ataagcaa atctatctct ccttttctct cgttttttct 180
 ggtcagcttt tgctttttaga ttacccttgt tgccctgcgat cgatctgaaa aaagaggaa 240
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 tttatgacgg agaanatgaa cacacttga atctatcaga ctctaactgt tactgttggt 360
 gttttcta at gctgtcggca agacactatc tttaggactg ctaagggaag ttttaagggt 420
 tacacaagtt gacctttttc tancaaagnt aaagggnnta ntaatgggta aaanaaaaaa 480
 aaat 484

<210> 8968
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-136-Q1-E1-G4

<400> 8968

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 catagactcc tctgatgtaa ttgtccangt tattgatgct agggatccac aaggtagtag 180

gtgtcatcat ttagagaaaa ctttgaaaga gcatcacaag cataaacaca tgattctatt 240
attgaacaag tgtgatctgg ttccggcttg ggccactaaa ggatggttga gagtattatc 300
aaaggaatat ccaactctag cattccatgc aagtgttaac aagtctttcg gaaaggggtc 360
acttctctca nttttgagggc antttgctcg tccaaagaat nacnaaccag ccataaccgt 420
tggaattttt tgg 433

<210> 8969
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-G5

<400> 8969

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tgggtgttgac tgggtttttat cttttttcca gtcaatcgga ttattatcga ttgctttact 180
tcttttccat gttttctttc aataatttct aaaaatctga gttggtaatt agttttaagt 240
gctagctatt taaaattaat gtctctggct tttggtttta gaaacctcga tttgcaagaa 300
atcgttcaaa cgattacatc tgggtttgaa agattgaagg ataatccgat gcttattagg 360
attcctctta agccgtctat ttctttggga gctccatcca aatcctaatac cgggnngg 417

<210> 8970
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-136-Q1-E1-E10

<400> 8970

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ttccgccggt aacggagggtc ccggtgcttt aacggtgaca aatgttgctc cgtggatgac 180
aacagtcgga gctggaacaa tcgataggga ttttccggcc aatgtgaaac tcggtaacgg 240

gaagatgatt tctggtgtta gtgtatacgg tggaccgggt ctggatccgg gtcgaatgta 300
cccgttggt tacggtggta gtttactagg cggcgatggt tactcatcgt ctctgtgtct 360
tgaangctcg ttggatncca atttagtgaa gggaaagatc gttctttgtg a 411

<210> 8971
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-A2
<400> 8971

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aatctccggt atatttgcac cggagatctg gtcaaagaga aagaattcta ccatggntgg 120
ggacaatgag ctengagtgt cacttcatca acgaagactc ggtgattgat gagcttgacg 180
atgctatgat agaaggaggg aacattgtgg actaccatgg ctgtgacttc tttcctcagc 240
gatgggttga tencgttgtc gtgcttcgaa ccgagaactc cgttttgtan gaccgtttta 300
cgaatagggg ttattcagga ancaagctta gtaacaacct tcaangcgaa atgtatcang 360
tcctactcng aagaancaca tgacagttat gatgaggaaa atnggt 406

<210> 8972
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-A4
<400> 8972

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ggactgcaag tgctgttaag acttggaag catcgcttgg ggtccgtgag gatggggtaa 120
tgacagcaga gttcttcag aggttggtca tggatgaaga cgtagagaca gataaggatg 180
aagcaagtac aatgaagaaa gaggaagctg gtaatggggc ggtatttact tcagtgcac 240
aagtcctga gaagaagcaa tcaatcgtga aagatcaaag tgacagagaa gttgacgtta 300
ctcaaatcg ggtttttctt cttggagaaa acagatggga agatccctcc angctcattg 360

gcangaacaa accggtagac agaattgaat caacaaacac canaacgagg tgcattcactt 420
gtcg 424

<210> 8973
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-135-Q1-E1-A7

<400> 8973

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agcatgatat taaagagttt ttctctttct ctggtgaagt tgaaagcatc gatatccaaa 120
ggttagtgat attgtttcct tgttctttga tttcaaaatt ttgacattta aagctttttt 180
tgatcaatta acttccgaag ctttttctca gcaaatttag atacagttct cttaaactta 240
ctgactctga gctttgtttt tgttttcttt ttctaactag cagtaacgag catagtgcct 300
atgtcacatt taaagaaact caaggagcag agactgctgt gctcttatct gtgggttcac 360
tcttatctca atattaatgg tagtaacaat tcaactctta cataaactg ttaatttag 419

<210> 8974
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-A8

<400> 8974

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agctgaaaaa tgaagagaga tcatcaccaa ttccaaggtc gattgtccaa ccacgggact 120
tcntcttcat catcatcaat ctctaaagat aagatgatga tgggtgaaaaa agaagaagac 180
ggtggaggta acatggacga cgagcttctc gctgttttag gttacaaagt taggtcatcg 240
gagatggcgg angttgcttt gaaactcgaa caattagaga cgatgatgan gtaatgttca 300
agaagatggg ttatctcatc tcgcgacgga tactgttcat tataatccgt cggagcttta 360
ttcttggtt ganaatatgc tctctgagct taagtcctcc tcctcctttc gggcgangtt 420

ctaa

424

<210> 8975
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-B10

<400> 8975

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tggtgcaga gaaaatcacg ctcaaaagct aaaccagtt ctacctcaag ttccacacct 120
tgtgaacatc ttgaagtaaa agcagatgga aaattaaggg ataatttgga ttctcagacc 180
ggaaaaaagg aagaaaagat catccagtac tcgagaaaga aaaagttgaa tccaaagcct 240
tcagcagaac aagttcagga gctagctacc ctagctaaat caaaagattt tgataagaca 300
tgtaaaaatt ttagcagtag gtcacatctg gataagtgc attcgttctg agatgaacag 360
tgangattgg 370

<210> 8976
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-135-Q1-E1-B11

<400> 8976

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taatcaccga ccaaaattga tcggaaacct anagctcttc gtattgctcc gccaccatgc 120
atatccggng ccagatcttc gntaaatctc ctgactgtca aaaagtcgtc gctctgcaat 180
tggntcctgc gcaatctcta ntaactcttt cgggtatcac ttccttactc gaatcgctgc 240
ancgtatatc gttttcggct tgctcgatta ctctagatgg gaagcttttg aatggctcta 300
cacggatcca agtatcgaag cntccttctg tatccatgcn cactcttttc gctcgntcc 360
gtggaggtgg aggagatggt ggggcaaggg gagccgagtc ncgcgaaat 408

<210> 8977

<211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-B3

<400> 8977

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acagtagaaa ggcgttgaag canaagaatg agctcgtgga gacgccacca tcgcctgtct 180
ccgtcaaggg gaantcngcn aagtctttcg agcaagatct gatggagatg cangacaatg 240
ttggagaana tgaanatcga gaaagataa acggaggagt tacttaagga gaaagatgag 300
attctgagaa agaaggagga ngagctanag accagagacg ctgagcanga gaagctcaan 360
gtgggagctg aagaagcttc agaaagatta aaggattcaa aacctancat gacttttgct 420
tgcggtcagt catctctcaa acanggctg 449
  
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<210> 8978
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-135-Q1-E1-B6

<400> 8978

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ctatttgttt tcccgggtgac tatatcatcc cggagcgtga aacgcttcgc cgctgtttcg 180
tctgattccg tactagaccc tgaatccaaa aatcaaactc ggtcccgtcg caaaaataag 240
gaagcagtta cgccaattgc tgaaaccgag aacaatgaaa agtttccgac aaaggtcccg 300
cgtaaactga agcgtgggcg gcggagtga gcagacgctg tggaagatta cgtgagaagc 360
tccctcgagc gtactttctc caccataaag ggagcagaat ccggagggtt tggagaacaa 420
  
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<210> 8979
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-B9
 <400> 8979
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 nnnnnnnnnn nnnnnnnnnn ncttctctct tcttcttagc taacaaaaac ggaagcttgc 180
 tgttggtgtt gtttggtgct ccggagacag agagagaaaag agacgctgag agatttgagg 240
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<210> 8980
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-C10
 <400> 8980

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 agcatgattg gtgttgngc tcctctcttt agccgtaacg tttcgttctt ccaaccagac 180
 ggaaacatct tcaatcat taagtgtttc gcctccggga tcattccttg aaccggtttt 240
 atgcacgttt tacctganc tttcganatt ttgtcatcta tatgtcttga agagaacccg 300
 tggcataaat ttcctttctc cggatttctc gctatgttat cgggtcnaat cantctagcc 360
 attgactcca tggccacgan cc 382

<210> 8981
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-C11

<400> 8981

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ttgactggtc tgggtgtgaa tgtcttaacc aaagctcaag tcactctttg cccaatgctc 180
tcaagcaggg atatagagaa gatgaagggt taaacttaga gagtgatgct gatgaacaac 240
ttctcatcta tattcctttt aaccaagtta tcaaactana ttcctttgct atcaaaggcc 300
ctgaagagga aggtcctaaa actgtaaagt ttttctcaaa caaagagcac atgtgcttca 360
gcaatgtcaa tgattttcct ccaagcgaca acgctgaact aaccgna 407

<210> 8982

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-135-Q1-E1-C12

<400> 8982

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tgagtcaacg gctatagctg cttctatgtt taataaagag gagactaaga ggtatggagc 180
ttctggctta ctggctccga atgtggaagg taagattgtg gatccggata cgggtcgggt 240
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tttcaagaat aaagaagcta ctgcttctac cattgattca gaaggatggt tgaaaactgg 360
agatttgtgt tacattgacn gtgatgggtt ttggnctttg ttgttgaaaa aattaaang 419

<210> 8983

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-135-Q1-E1-C2

<400> 8983

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 gaagtatctt ttgcatcggg gtggtgctgg ctacaatcct actacatccg aagcagcgaa 240
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 taatatccaa aggagttggc aattgtcgtc nggggaagca atgatctgat cattacatat 420
 tttggaagtg ttgctcaaan gacccccaaa ctgacaatcg accccttatn c 471

<210> 8984
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-C4

 <400> 8984

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 acaatattca gtctcangtt gcaaaaattg aggatgatct caaggttcgt gttgctgaat 240
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 ctctccttgc agttgttccg aagtattccc aaaaagactg gctancatgt natgagacnt 420
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<210> 8985
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-C6

 <400> 8985

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 ggttccgtcg ggtagcagcc agcaaagacg aaaatgcctt caaaaacgca atagacccaa 240
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<210> 8986
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-135-Q1-E1-A12

 <400> 8986

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 aagcatttat cttttctggt ccaatttggt tcacatttat tattctcttc ttgttttact 180
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<210> 8987
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-F8

 <400> 8987

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tggctctttcc tccgtcgtca cgcctcccaa aactctccgt ggtctcaata agcctaagtg 180
 tattcaatgc ggcaatgtag ctcgctccan gtgccctttt caatcttgta aggggttggtg 240
 ttcaagaaca gagaatccct gcccgattca acgttcttaa agtagcttcn acgtctggtg 300
 agaagacgca ngcgcnaagt actccaatct tcagagcaga aagcaaccna agggcactcc 360
 cggggantac aactagagtt tccgtcaatc cggnaaaactt tctagcaact ttgccnaatt 420
 ttaataancc tgaaatgctt cttcccgcca nagaaaaacct 460

<210> 8988
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-G1

<400> 8988
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 ccattgttat gaagattggt atcttgccca tgagcgttta gccatcattg accctacttc 180
 aggagaccaa cctctctata acgangacaa gaccgtcgtc gtcactgtaa atggagagat 240
 atacaaccac aagattttgc gtgaaaagct taaagtctca tcagttccgt actgggtagt 300
 gactgtgaag ttgattgcac atctttaacg annaactgga anaagggaat tanccaanat 360
 gtgggttgga atgntcccn ttgncctcc ttgatantcc ncgacaaaan ntttaattgc 420
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<210> 8989
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-G10

<400> 8989
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 ccccaattat aattagggca ccgaagaagc aaccgccgga gccgccatgt ctgatttcgt 120

tactccccga agaaatcgtc gtcgatatcg tagcccggtgt ccctagatgc tattacccta 180
ctctctccca agtttcaagg cgtttccgat cactcgtcgc ttctccggag atttacaaga 240
gacgatcctt cttcggatgc acagaacaat gtctctacat cgcaatctcc aaagatcaaa 300
cctctgatat ccattggttt actctgtgcc ggaaacctaa cggacaacaa ttctccggca 360
ccaccgcctc tgatcatcgc ctggtaaata tncccaatc 399

<210> 8990
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-G12
<400> 8990

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gttgacata accagcttct tgctcatgca gcggnccgttg atgtttacag gacgaaatat 120
aatgatgncc aaaaaggat gattggacca gtgatgataa cnanatggtt tcttccattt 180
gatcatagtc aagagagcaa agatgcaact gagcgggcta aaatattttt ccatggatgg 240
ttcatggggc ctctaacana aggtaaatac ccagacatca tgagggaata tgttggtgat 300
cggttccag agttcagtga aacagaagcc gcaattgtna agggttcata tgattttctt 360
ggtctcaact attacgtcac tcaatacgcc caaaataatc aagacgattg ttccttcgga 420
cgttcacacn gccctgattg gcc 444

<210> 8991
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-G5
<400> 8991

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ctctctctc ccttcgtcgc accttgtttc attccgatct caatcttccg atngtcgggg 180

agatctgtac gagattgata cctccgcggc ttctcaatcg ccgtcggatc ctttaataca 240
gaagctagaa gacgccgttc accgggattt tngtgcgccg aactcagcct ggattgggtc 300
cctttgggcc ctggtgcgtn ctaatngggg tctctctccc ggattcgggt tccaagccca 360
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ttaaccnaca a 431

<210> 8992
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-H10
<400> 8992

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ccgactgatg aggaactagt agttcattac ctcaagaaga aagcagattc tgttcactt 180
ccagtctcaa tcatcgcaga gattgatctt tacaagtttg atccttgga gcttccaagc 240
aaggcgagtt ttggagagca cgagtggtag ttcttttagtc ctccgggatcg gaagtatcca 300
aatgggggta ggccaaaccg ggcagcaact tccggttatt ggaaagcaac gggaaccgat 360
aaaccgatat ttacgtgcaa tantcacaaa ggttgngtca agaa 404

<210> 8993
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-H12
<400> 8993

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tcttgaaaaa aaaaaaaaaa ggattcagag aaggaggaag caggagggtc tgggtggtgt 120
gaggagggtga aagcctaaac tctttctga tcacatcgca catattgagt ctctctgtca 180
gatactgttg cctaatgcct agtagtcac tggcaaagt gtaagttaa tctgtggatg 240

taatatTTTTg ttgttggagt ctgaactgCG taaagcagct ttactTTTTg tagagacaag 300
 aggaagaagc tgcataGCCa aaggataggt tgcttGTatg tctatagcat ttaacataaa 360
 agcctccttg gattgtcttt gatttGTgag gctccctttt cgagacattg tcaangtttc 420
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<210> 8994
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-H4
 <400> 8994

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 aagttccatc atcactaatg ccatactcct ccatagattgc ttgtccnCGa gtttcaccca 180
 atgggggttc ttatcttcca ccaaaccta gaactaggca tttantggTC agagctgcat 240
 ccaattccga tgctgctcat ggtcaaccat cgtctgatgg ggggaagaat cctcctcacc 300
 gttgttttgg gatgtGCCa gaatatatgg agacngactt taaaaccttg agtgattttg 360
 gggtttggta agagaatatt tggggaangt ggtgttgGnt tgttaatgTC tctggagcta 420
 ctctcctgc nctaact 437

<210> 8995
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-H5
 <400> 8995

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 taaaggTgga aatggcgGct ttattagctt ctcagagctg ctgctatggc ggtgagaccg 180
 caagagtcac caagctatt ggtttcagta gctctttgga gaatcatttc actgggggaan 240

ccnacncagt gttatgggca gcaagtctaa gagatttcgt attgagatga gacagtcggg 300
 aantgccctc taaggttgga atcaatggac gttcagtcaa aatggttcct gcgagtgagg 360
 tggatgaagag gaaagatggg gtgaatggat cggctgggaa aggtgttaat ggancgaagt 420
 ttggttagta ntagaaacat t 441

<210> 8996
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-H6
 <400> 8996

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 tggagagctt gaagatcaca tcaaangaca agttttttga ccaagacatt agtgctacgg 180
 tcatacttca aagcgggtgt catantatgc ctcagaaagg agggccatcg tctttgatac 240
 agcgatggag aacaggtgga tcttgcgatt gtggagggtt ggacatgggc tgtaatctca 300
 gaattcttac aaatcagcac aacctctcct acaanaagtc ggcaacatca aactcaccag 360
 cctcttcaaa cagattccga actcttcntt ctgggaaaac aagcgggagg agcatcngtt 420
 cntgaagctt taaaaccga 439

<210> 8997
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-H7
 <400> 8997

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 cagttcgggt gggccttaca gctctctctt cttactccgt acgttcaact cctcggaatc 180
 cctcaciaat ggtcatctct catttggtc tgtgggtccag tctccggcat gattgttcaa 240

ccaatcgctcg gtttccacag tgaccgatgt aggtccaaat ttggtcgccg tcgtcctttc 300
 atcgccaacg gageccgact cgtcgccgtn gcctgttttc ctcaaccggg aagnctgcgg 360
 gtttcnggta anaaantgga aaataactcc aaggagaaaag gttaaagtgc gaagctataa 420
 ggattcttgg cctcggggtt cctg 444

<210> 8998
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-H8

<400> 8998

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 atcgcttccc tcttctgttt atcttcaatg ctttgcaaac cgatccggat ataccaggat 180
 ttgaaaacac gttgggtgact tgcttggata gggtgtttta gactaagtat ggcgcttcac 240
 ttattcctca gtatatgcct gttctgcaag ttggctctca ngcagattct gcagttgtga 300
 aatctctggc ttgcaaaact gttctgtgtc tcttggagga ttgcgataca aacgacgttt 360
 cttctgttca actaagttgt aacaattggc ataanaccct cntcgacntg actatatcat 420
 taacagggat gatgaag 437

<210> 8999
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-135-Q1-E1-A10

<400> 8999

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 catgtcataa tggctgaagt agttcactcc gtagctgatt ttgctaacca ggcacttctt 180
 gcttatgggc tcagtagctc aaggcgtgcc ccagatgctc ttcattcccta tggctactca 240
 aaagaaagat ttgtatggtc tttgatattc gctgttggca tcttttgcct tgggtctggt 300

gctaccatag ttaatggagt acagaacttg tggacttctt cgccacctcc gaatatggaa 360
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<210> 9000
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-135-Q1-E1-A11
 <400> 9000

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 ttgagaatcg gttttactag attgaagacg agagttttga atgattgggtg aatttggtga 180
 tcatcaatgg agaagaagag atcaccaaga agtagtaaga gtcctggacc tgcaatnttc 240
 cctaaaagcc ctcttgtcta cgagagttat aagtctgggt gtggttgga attgataaag 300
 ttcttcgatt tcggctcatgt caaatctggt aataagagac ttggttcaag agaagaagaa 360
 attcgtcaga gattctgctg gtaatgttta aactaaaagt ccgccttgat tg 412

<210> 9001
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-F7
 <400> 9001

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 tggaaacgag ggcaggggaa taagtgacga agcggttgag ttatcacatc tgcgttgacg 180
 tattccgatg aatggaatgg ttgattcggt taatgtctca gtggctgcag ggattctgat 240
 gcaccacnca gtcnctgata gaaccactcg tctgggaagc catggagatc tgtcnngaagc 300
 agaganngag atantgatgg ctgantttct acttcgtcac agtanaacgc tcaatttgca 360
 ttgcttacga attcgctaaa cgtaagcanc aacactctac ntctccnan ttttgaaacc 420

gttgctcctta atctctccgc tgnnttgccct gttaaanggc ttcga 465

<210> 9002
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-D8

<400> 9002

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aatctagtgg tgattaagcc ataggggaaa canaaccag agagacgagt ttgctagatt 180
tttttttttt tttggagggt gcatgagttt ggagaagaag gcgagtagta caaattacaa 240
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nacattctcc gtctttcgat tttctgtttc attttccggg tcgacagaag ncgttttcta 360
tcgccggttg ctttttctag cgttcgctat catcgcntcc aantcttgta acatgggtta 420
antctccggc ttttcacctt caangttctc ngcaagggtta aacagtttta gttcgaag 478

<210> 9003
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-D9

<400> 9003

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ttatatcggc ggagacatga cggcggcaca agggaaactct aacgagactc tgttttcttc 120
ttacaagatg ggaagattcg atctctctca tcgagtgggt ctggcgccga tgacgcggtg 180
cagggcggtg aacggagtac caaacgcggc gttggcagag tattatgctc aacggaccac 240
tcccggcggt tttctcatct ccgaaggcac catggtctct cccggatccg canggttccc 300
acatgtgcct ggaatctatt cagatgaaca agtataagca tggaagcaag ttgtggaagc 360
agttcacgct aaggaggtt tcatttttg tcaattaagg catggtggac n 411

<210> 9004
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E1

<400> 9004

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 naancttcaa agacgacaaa nagctggaga atggccaaga tgatttcgctc ggagctcaaa 180
 cgcaccatcg aggtgtcaag attcgccgctc gttgttgtct cagagaccta tgctgctct 240
 tcttggtgtc tcgatgagct cgtaacgatc atggatttcg aaaaaaaggg ttccatcacc 300
 gtgatgcca tcttctacgg cgtnggaacc gaatcnagtt angngggcaa accgngtnn 360
 tcncctgaac agtttaagaa acattggaan tagatgaaga tnatgataa gtgcttacat 420
 ggagggaaag catt 434

<210> 9005
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E11

<400> 9005

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 ggattttttg catattgcaa agtttagaac gcgagcgaat tctccgcgga attgggggtta 180
 aaaggaagaa ctttaggggt ttttgattct tcgggttttc tcgtgctttg attcctttca 240
 agtcaaagca aagcattacc ttttctcgtc catccatcag cctgggcttg attagccaac 300
 cctgttaagg cagggtttga actaaaagtg agatagttag atggatgtct cagcactttt 360
 aacgtctgct gggattaata tagcgatatg cgtaatgctt gtancgcttt aatccattcc 420
 acgaaaagca nncaacccaa ttatggtgtt aa 452

<210> 9006
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E3

<400> 9006

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ccctcnttgg tcaaggcggc tgcttcgta accagttcca atcatacccc atcnaaagta  180
tctaatacaag cacggtcaag gcanttggcc ttgatgacaa anaatctana ttctccgatt  240
agcaaaggaa agtccccaag tttcaagaaa tacgaagatg atttggatcc tgttctggga  300
cgatgatagt ganntacatg aagccaaccg ggaagaactg aagcgcatgt tggaanaatt  360
tatgncctga gaaaactgga taantcatgg gtgggantaa aggggccgag aagaattttg  420
cgccttgtgt tcccgaanga aaacaaattg gcgggaaant tgtgga                    466
  
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<210> 9007
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E5

<400> 9007

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aatcaagtcc tgtaacttat atgcatctgg ctgatcaa ataaagtaatgg tggacgatac  180
atcacctttt ctggagggtt tttgtgaagt ttctggtaaa gactaccgat tcacaacagg  240
gacaaaggcg gagtttgctg tctctgtgat caacaggaaa cttgggttcgt tgaaacctcg  300
agtgatttac atcgaagcag caaaggaagg tgaagagcct attagttttg gtgataatgc  360
tagtcttctg aattatggac ttggttggaa gttgaagaca gttgttgatg ctgatctacc  420
tggaacggag aaaaacaatc gacaacagcg gttttcttct gtattttcga cggggtt     476
  
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<210> 9008
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E6

<400> 9008

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 tacttccgaa gatcagaaac aaacacaaac tgtgaatcgt tgtttggtta ttctctttta 180
 aatcgccaga agaaagagat ctccgttttc tacagaagaa aagcaagaga gtaagaatgg 240
 gatcggaaca aaacgatagc acaagcttca cgcaatcgca agcttcagag ccaaagctat 300
 gtgttaaagg atgtggtttc tttggatcac catcaaacad ggatctctgt tctaaatgtt 360
 acagaggcat ttgtgctgag gaagctcaaa cagcagttgc taaaagctgc tgttgaaaaa 420
 tctttcaagc cttctcctcc tcgtagtctc ttcataagca gaacctcctg ctgttgtt 477

<210> 9009
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-134-Q1-E1-E7

<400> 9009

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 tccagctaag ggaggtaacg agcaagggtg tgctcggatc tttggtccat ctcagaagta 180
 ttcgtcccgt gatgtcgccg ctacacaaac tttaaagcca aggagggaag ggcaacacac 240
 tcaagaggaa ctccagaaga taaatcttcg tgatgagctt gaagagcgtg agaggagaca 300
 tttccatcaa aagacaaatc ntccatggat gatagagatn cncagaagaa ggaatcaagc 360
 ntttactggg aagactccaa aaanggatc tgaaagaanc ggattatccc tcgcanttg 419

<210> 9010

<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-F10

<400> 9010

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atgaatctct ctatcgcggg ttcattagat tcagtttaac tcgagtgatg aaaccaatct 180
ccgtgctaga gctctttgat cccgtggctg gtaggatatt acggcgtttg tagctctgtc 240
gtcgtggata gagtnagaac gacgaaatca gccttggttt cctaactgta tctgaatttt 300
tgcaacaatg tctgagctaa aagagcgcct gcttctcca agacctgctt cagctatgaa 360
cctcannaga tgcttctgtg actcggcctt ctgcttctgg gaagacaacc cctctgggnt 420

<210> 9011
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-134-Q1-E1-F11

<400> 9011

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atagaanang atttttgcga tatcttcata taaggaagat ggtcttatct caaggctctg 180
catctctctc cttttctcat ccatagggtca tgcgtccatg atcaattggn ataatacgta 240
attgtcagat ggtatacaac aactgtggac aagagtgtat gtttttcact gtggcagtg 300
tgaaaaaaga agcaatgcga ggaggcacac ctcttcactt aaagagcaaa atcgatgagc 360
tgatcaacag tctcttggat ttgtgcttct gtacttctta cgangaangt gtgttgactt 420
ttcgaccttg ttccttgggt tccntgga 448

<210> 9012
<211> 464
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-134-Q1-E1-F2

<400> 9012

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acaatatccg gncgccgcaa caaccggctt accacganga tgtcgaaatt cctttctctc 180
tttcaatggt aaacaaaacc ttcctaaaag gaagagagtt aaaatgttgc tacaaggcaa 240
gcattgatgg gtttggtgca acaaagttcc acgagcggtg tgacttcaaa ggtccatgtg 300
ttatcatagc ttactactaaa gacaagtctt tcaagtttgg tggatttaag tccggaagga 360
tatagaagta ctgatgatta ttacganaca tttgatgctt tctcttctta ttggctcgan 420
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<210> 9013

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-134-Q1-E1-F3

<400> 9013

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agaaatatct ctagatgtgt tttctttaa cagaaactct ctttcccttc aagtcaaaat 120
catgtacatc aaagataaat cttagaagct tgtttcaatg gaattccatg tcagacttat 180
gaatattcca cttgaagttc aatttttgtt gttgtttttc aaagtgtcta gatcttcaac 240
actatgactc atcttcttac ttttaagatt taacctctgt tttatgatct ccttgtagca 300
ctatcaaagt ttctaaagaa gttttggttt cttgtttttt aagggatcat ctgaagctta 360
agggagaaaa gtttctcgtt gttgccnttg ataataataa ncctttgggg naattaaaag 420
gnagggnnna tttccnacca aggtcnaagg nntaacccca ttaatttcca aaa 473

<210> 9014

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-134-Q1-E1-F4

<400> 9014

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tgagagataa actcactaaa nagcttggtg ctgtcaagta catcgagaga ggagacaaga 120
ttgatgaaaa tggtcaaagg gagatcatta accacaggtc actaaggcat cctaattattg 180
tcagatttaa agaggtcatt ttgacgccga ctcatctggc tatcataatg gaatatgctt 240
ctggcgggtga actttacgaa gcggatttgc aatgcaggac ggtttagtga agatgaggct 300
cggttcttct ttcagcagct tctatctgga gtcagttatt gtcattcgat gcaaatttgc 360
catccgtgac ctgaagctaa gagaatacat tggtggatgg gaagtcctgc tcctcgatta 420
aaaatttggtg attttgggat attcaaagtc tcctgttctt cattcacaac caaa 474

<210> 9015

<211> 475

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-134-Q1-E1-F6

<400> 9015

ccngtacaag tcacagaatt cccgggccga cccacgcgtc nncggacgcg tgggcggacg 60
cgtgggatgg gagtgtcttc aatgtgattt ctataattac gggaggaatg tagcttgctt 120
aagatgtgac tgcaagcgac ccagggactc ttcactcaat tcagccaact ctgattattc 180
aagtgaccct gaacttgaga gaagactggc cgaaaacgaa aagaaagcac agagggtggc 240
tagtaaagta gcacagggtg gttctgatgc gaacagtgtt gatacagatg aagatttccc 300
agagattatg cctttgagga aaggagtga tagatatgtt gttagcacga agaaaccacc 360
tccttgagaa aaagttggct aatactgaga acagagtagc tacaagatgg aaactcgaaa 420
aggagcgacg ataatgcntt gggaagtaaa acaactanga gcttgaatga gattc 475

<210> 9016

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-134-Q1-E1-D6

<400> 9016

cccgncgggt accaatcaaa gaattcccg gncgaccac gcgtccnaga tcttttaa 60
caacctgata accgagtctg cgctgattgt ggcgcttctg atcctaaatg ggcatcagca 120
aatatcggag tattcatttg cttaaaatgt tgcggtgtgc acaggagcct cggcactcat 180
atgtcaaagg ttttgtctgt gacactagat gaatggtcag atgaggaagt cgattccatg 240
attgaaattg gaggaatgc gtctgcta tcaatttatg aagctttttt acctgacacg 300
tgctctaagc ctggacctga tgtaatcat gaccagcgta tgagattcat tagggcaaaa 360
tatgaactgc aagagtttct gaaaccaagc ttgcggatta catccgggaa aggctcaaca 420
aagagttcag cttttcttac atcaagtctt tctagaaagg atnatgggat aagttttccg 480

<210> 9017

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-133-Q1-E1-B6

<400> 9017

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aactgtggct caaagttgaa agctttctct ttggcaaact gtctgggcat cagtgacttc 120
aactcagaat cctctctgcc atcaccagcgt tgcagctctt tacgttctct gtcaatccga 180
tgctgccctg ngtttgggga tgcaagtctc gctttcctgg gaaagttctg tcatcaactt 240
cangatgttg aactctgtgg actaaacgga gtgacagatg caggtgtgcg cgagttgcta 300
cagagcaaca atgttggtct aagtgaangt gaacctgaac gaatgtatca atgtttcaga 360
caacacagtc tctgcaattt ctgtttgcca cggacgcaca ttggagtctc tt 412

<210> 9018

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-C1

<400> 9018

tcctcgctgc gggagttttt tgtgacgacg ctcaatacaa actctgaatc tggaaatacc 60
ggagtgc aaa tacttgatag aaactgggga gcaggttggc accttttatac tttgttaatt 120
gctaccagac cttctgaaag aataagttgc ttggatgctc ttaagcatcc ctttctatgt 180
ggaccaagat ggcgtgttgc cccatcaatg gatatcatca gatgggggtct tggatcaacc 240
gcagtaaaga tttcagaaga atacatttac cgcattgcctc agcgccaaag acttgcccac 300
ttcattggac tgatggagat gctaaatcct tatccaaagc caaacgtatg aattaccacc 360
tctcatgatt cttgagcttt gatatatgta ttgcttaatc nagtgtgtta agtgtgaaaa 420

<210> 9019
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-C2

<400> 9019

atttctctct cttttgctta cttcactcac agtttgcgag cggggataaa tccgttcaat 60
cggcggttgc cacctgccat tgttacaagc aatgcattat atcgttaatg gcgtancgca 120
ttgagaagag agagagagag cagggaaaca atgatttccc aggtggagag agatctgtcg 180
attcaaaatc ggcttccggg aagcgatcac actactcctt ctccgccaac atctcctcat 240
ctctgcgga gccggtcgaa atcctcctct gtctccgggg caacagcaaa gtcggaacgt 300
cgctcaccgt ctctcatgga tcattttatc tgttcntctc cggcgtcang gaattctcct 360
tttcgctcct atcatctaca tctcctgtan gctttttcac ctacacgcgg cgtcgtttg 419

<210> 9020
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-C7

<400> 9020

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ctccccaaaa tggcgattcg tcttctctcg atctgtcttc ttggttcant catggtagtg 120
gngattgcgg ctgatttaac accggagcgt tattggagca ctgctttacc aaacantccc 180
attcccaact ctctccataa tcttttgact ttcgatttta ccgacnagaa aagtancaac 240
gtccaagtag gtaaaggcgg agtaaacgtt aacaccata anngtaaaac cgggtancgga 300
accgccgtga acgttggaag gggaggtgta cgcgtggaca caggcaacgg caagcccgga 360
ngagggacan acgtgagcgt tggcaagcgg aaaagtcacg gangtggcgt cgca 414

<210> 9021
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-C8

<400> 9021

tcttcttctt ctcttttttc aaaaatttgt cacctccgag atcagatctg atcgtcggaa 60
ttgagatggc gaggaataaa cttgtaagtg gtagtcatgg gatatggaaa tatttcaacc 120
cagcgtttta tctccgaaga ccaagacgtc ttgctttgct cancatectc ttcgtctctg 180
tttcaatggt tgtttgggat cgtcaatctc tttcccgaga ctaccagttt gaagtttcca 240
agttaaataa gagaagtttt gcggttgag cagatgttgg aagagataaa gagcgtcact 300
gaggatgtgt ctgtcaatag tttgaaggga tgttcaggaa gatccagttg atgctcagcg 360
aatgcagaga gttaaagagg caatggttca tgcttggagt tcatatgaaa ag 412

<210> 9022
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-D1

<400> 9022

cacagtccac acacagcag actctattta ctgcgccgag gaagaacaaa atggcgggaa 60
gagcgatttt ctctgtatct tgttcatcta ctcttctt gtgtatccct tattcaactg 120

cttcgttttc atcgatgaat cgactggcgc tccccgccgt ccggatttct ccccgaaacca 180
acagatttcc caggattcac tgctctatgt ctgctaacga catcaaagcg ggaaccaata 240
tcgaagtcga tgggtgctct tggcgtgttc ttgagtttct tcatgttaaa ccaggaaaag 300
gtgcggcatt tgtgagaact aagatcagga actatgtgaa tggtagcaca gtcgagagaa 360
catttcgtgc tgggaatttct gttgaggaag ctaatatata taaagaaaca aacaatt 417

<210> 9023
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-D10

<400> 9023

gatattgaaa ttgacgagag acagagccaa agctccgaac cagccatgt ctctagtccc 60
cggcgggaat cgctgttccc cttttttgtt aagactagga aagctcagag tcagaggcat 120
gtccagagtt tgatcgtcgt atccttgggc ttatcaatat cagctgactc tcagagtgtg 180
ctctcatgct ttgcccacca caagggctta gtggcggatg ccttgatcgt cctctcggag 240
ttgtccctga acagaatcca aaggctataa gctcttttca ngaagatttg aaacctgctt 300
cttgctcata ccaacatcat ttgaggagca tgacaatctt ctttccttgg catatgacaa 360
ctgctcatct gatcctgccc canctcatc ctcgctacac gaaagcccat tcacttctg 420
an 422

<210> 9024
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-D11

<400> 9024

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acaaaaaacc caccactcct tgttattgag catatgaaga cccacaaaca cccacttact 120
ctcttaccta gaagaatctc atgtatctgt gacgtttgtg ggaagaaatg ccagtttacg 180
gogtatgtat gtcttcagtg tgattttgtt accgcaagaa agtgtatcga caggccccgt 240

gtcatcaata tcaatcgta tgatcatcgc atatatttaa ctcatcatct cggcactggg 300
 tattcggaat gcggagtttg tcacaaaaat gtaagtcagt acaagggggc ttactcttgc 360
 tctgtttgcc ctaactatgc tgttcattct acatgtgccg tgagaactga cgtatgggat 420
 gg 422

<210> 9025
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-133-Q1-E1-D12
 <400> 9025

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 gggcncnana attngtaaga tcggngggg cnatttaaatt ccaatatcag aaacacgtcg 120
 aacgagacca ataagagcta gcttctgata catttcgact ttggcgtttc tcgatctgtt 180
 gtttctgctc ccaaataaaa ataaaaaaaa atcggatcgg ggatttcccc aaatcgtaaa 240
 attaggtttt gttcttcatt tctagcccta gcttagtttt atcgttatct tattcattaa 300
 ggtttgattc tacctttgtt tcgcttcct cctcgaattt tgcaattccg ttattaaagg 360
 atcctagttt ttctggctct tgtactacgt caagtttcat ggattctcga gtttcgattc 420
 tcttcgtctg tgcaatagcc gtgtcatgct ttacgtctgg gtctgcttca tca 473

<210> 9026
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-133-Q1-E1-D2
 <400> 9026

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 ctttccccctt tgttcttctc cccccaacag caatcacggc gtaccaatcg gagctaggag 120
 gagattcctc tcccttgagg aaatctggga gaggaagat cgaaatcaa cggatcgaga 180
 acacaacgaa tcaagtcact ttttgcaaac gtagaaatgg tttgctcaag aaagcttacg 240

agctctctgt tctttgtgat gctgaagtcg cactcatcgt cntctctagc cgtggtcgtc 300
tctatgagta ctctaacaac agtgtaaaag ggactattga naggtacaag aangcaatat 360
cggacaattc taacaccgga tcggtgggca gaaattaatg cacagtatta tcaacaaag 419

<210> 9027
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-D5
<400> 9027

tatcacaatc ataaccacaa aaacaaacac tatgggacac ctcaaaagtc tcttcacaat 60
tcttttcta atagctatgt cttcaaccgt aacatttgcc ggtaaaatac ccgcgatcat 120
cgtgtttggc gactcttccg ttgatgccgg gaacaacaac tatatcccaa ctgttgctag 180
aagcaacttt gagccatatg gacgggactt tgttgggtgga aagccgaccg gacggttttg 240
taacggaaag attgcgacgg attttatgtc cgaagcetta gggcttaaac caatcattcc 300
ggcgtacttg gatccttctt ataacatttc ggattttgca acaggtgtta cctttgcttc 360
tgctgccact ggctatgaca acgccacttc tgatgttctg tcngtactac etc 413

<210> 9028
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-133-Q1-E1-D6
<400> 9028

tactttgaag gcagttttga tgcttcgaga tcaactgatt agcagagttg aatatatgca 60
ttcaaggggg tttcttcacc gtgacatcaa acctgacaat ttcttgatgg gacttggtcg 120
caaagcaaac caggtgtata tcattgattt tgggcttgca aagaagtata gggatctcca 180
aacacatagg catatcccct atagagaaaa caagaacctt acgggcacag ctcggtatgc 240
tagtgtcaac actcacctag gagttgagca aagtaggagg gatgatctgg agtctcttgg 300
ttacgtactc atgtatttcc tgagaggaag cttaccgtgg cagggactaa aagctggcac 360

aaagaagcaa aagtatgaca gaattagcga gaagaaagta tcaactccta taa 413

<210> 9029
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-D7

<400> 9029

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agggggcgat gagagtttcc tctgcathtt gtgtagtcgg gtggctagca atcatctttg 120
ccaagggagt agtggctctg gaccttgga gactggcaac gggatatgga atgggagcat 180
tttcctatgt ggtgccaatc tttatagcag aaattgcacc taaaactttc agaggggctc 240
taaccacact gaaccagatt ctgatctgca ctggagtgtc ggtttccttc atcataggca 300
cactagtga gctggagagtc ttggcattaa taggaatcat cccatgcgct gcctccttcc 360
ttggcctctt ttttatccct gagtctccaa gatggctggc aaaagtgggg cg 412

<210> 9030
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-D9

<400> 9030

gtcgtgaatt acctcaggca gcccctcctg gcctaggatc acctcatcag aacaacagag 60
tatcgagttt acctgggtact cctcaaaggt ttagtattcc gcagcgatta gcttcttttg 120
tcagatttcg agagaaacgg aaaggaagga attttgataa gaagattcgg tatacagtcc 180
gcaaggaggt agctttgagg atgcaacgca ataaagggtc gttcacatct gccaaagtcaa 240
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aaagtagtga ggctcagcat caagagatct catgtcggca ctgtggaatt ggcgagaagt 360
caactccaat gatgcgacgt ggacctgccg gggccaagaa cactttgcaa tgcattgtgga 420
cttatgt 427

<210> 9031

<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-E1

<400> 9031

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cagaatcgga gaccggagaa gaatcagacg cggcgctgat ggtagtcgaa gagctggtga 120
cttctctcaa tacacagaga ctttacaggg agctgacact atccctcagg accggtttac 180
gcgatgcttg cgctgaattc tccttccttc gcatccgtgg tcttagatct cttctcaaaa 240
ctctccgaac tgctgctgat tcagattcaa tcattcgtct cttctctcat acccaaacca 300
tttccgatnt ccaactgggt cgggtgcttt ttcaacattc attgaaaaga agcggaggga 360
tgataaagtg acgaacttgg atcatatatt cagtgtggag ccgatgaaga taacaagtc 419

<210> 9032
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-B5

<400> 9032

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cttcgacaat ggccgaacgt ggtggagAAC gtggtgttga gcggtggtga gaacgtggtg 120
atttcggacg aggattcggg ggccgtggag gtcgtggaga tcgtggaggg cgtggacgtg 180
gaggccgtgg tggtcgtcgt ggagggcggtg ccagtgaaga agagaaatgg gttccagtga 240
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attcactccc ggttaaggag taccagatca ttgatatgct catcgttcca acattgaagg 360
atgaggtaat gaaaatcatg ccggttcana aacaaaccan gggctggtca aaggac 416

<210> 9033
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-E6

 <400> 9033

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 tcgtaccacc atggtcggcg gggaagttaa aattcttcgc gggtaacnaac tccgtctcat 120
 ccggtgcacc gtctctttgc cactatcaga tctctctctc gatgaatccc aaccgcgaac 180
 ccatccacac gactctctta taangtcctt tttgtcttca atcgaggctg ggaantatct 240
 tgaagcttta gcctccgaan ctactaatct aatacnegna nagtacgagt tcgagccggt 300
 tgattccgcc gaagcgagtt tactccganc ttcncaacaa agtcgaatcg ttcgtgttga 360
 acgattcttc gggatgaaan ccgataangg tccgnggttc cgtttcntgt ggangttgct 420
 tagcaaacgg cggntgcggt tgggttcact tgnttgcaat ttggcc 466

<210> 9034
 <211> 343
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-E7

 <400> 9034

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 tcatggtagt ggcgattgcy gctgatttaa caccggagcg ttattggagc actgctttac 120
 caaacactcc cattcccaac tctctccata atcttttgac tttcggttaa aatattttac 180
 tttgccattc ccaactctct cacttatctt tgttcttaat gttagaaata catgtttgtt 240
 ctgaatttat attatgaatt tatattatgg ttttactaa gtgttagaaa tacatgtttg 300
 ccattccatt cncaactctc tccataatta agctgtnttt ttt 343

<210> 9035
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-E9

 <400> 9035

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caaggtgatg attctggcca caagcattgc actggccagt attttgacta ctggcaatgc 120
attgacaaat gtgttgacc aaagctgttt gcgaaactaa aatgaaaaga ggtgaagctg 180
gagactctat tgtcttgagt ttgctacatg tggtttaaaa ttgatgtata aaatgcagtg 240
gatgttgaac ttttttttac tgcaaaccac gattgcaaaa tggctctgct tcttgggttt 300
tgttccatc gcaagtttgc gcttactaca tttttttgct acttgagtaa ttgcatggcc 360
taataacang aaggnaanna anaaaagg 388

<210> 9036
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-F3
<400> 9036

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gcgtccgatt aaaccaatca gattgcaggt tcaatatcgt atgcatccag ctttgtccga 120
gtttccatcc aacagcttct atgaaggaac tctacagaat ggagtcacaa ttattgaaag 180
gcaaacaaca gggattgatt tcccgtaggc tgttcctaac cggcccatgt ttttctatgt 240
tcagctggga caagaggaga tcagtgctag tggaacatca tatcttaata gaactgaggg 300
tgctaattgt gagaaacttg tgactgcttt cttaaagagt ggagttgtcc ccagtcagat 360
tgaggttata actccatag agggacaaga gggcatacat tgttaattac atggcaagaa 420
atggttctct ccgacagcaa ctgtacaaag gaaattgaag gttgccagtg ttgaatcctt 480
tcaaagggaa ggaaan 496

<210> 9037
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-F5
<400> 9037

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tctccggtct gaatagttaa taaacacaca cacggagcca aatccaggag aaattagggt 120
tgaattagga gagattagga gaatacaaat tgggttggtg gttttcaagt atgctaccaa 180
gtgggttgaa agaaacccaa ctccgtgaga gcaacaacaa ccaaaaagtc natectcaac 240
caatggaagg agtctatcaa tcagaatcct gaagctatgg aagcacttat ctccaatctc 300
ttcggaaaca tctcgtcttt gaaatctgct tanatcgagc ttcaaagtgn tcanagtcct 360
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<210> 9038
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-G5
<400> 9038

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ttcaatcatc atcacttcct cacaactttt ctcataatca tagccatgct caaattgggt 120
catnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnngtacc aagactctgt ttctcttcac tctcaactca tgctagtctc 240
atccaaacaa gcccgaagct catggctcat gcggctctca acatcacatt agcctcgggt 300
aaagtaactt cagcaantga tgggtgcgtct ctgcaatagt cggctcaagc ctaaagaagt 360
ctcgggnnat gagagactgc gtcgaaggag ttanggggtga cacgtttggn nggagcttag 420
ggaaatcgat tgggtgagan gtngtccagc ntaaagtggg ctc 463

<210> 9039
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-G9
<400> 9039

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntgtcta 300
 caatggctga ttcatttttc cttagatctc ctcgatcanc annacaggct catcttaact 360
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 ttcgggn 427

<210> 9040
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-H9
 <400> 9040

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 tgtgttttgt gttgtcaact taatcaatta tatagatcga ggagctanag caagtaatgg 180
 tatcaatggg agtcgtggtt cttgcacttc gagtgggtaca tgttcatctg gcancggaat 240
 acagggagat ttcaacttga gcaaattttg aagatggagt tctgtcatct gctttcatgg 300
 ttgggcttct tggtgcntct cctannattt gcntccttag ctnaggagtg ttnatncggt 360
 tttagactta tcggngttg ggtttgtcaa tctggagtcg ccncggtgaa t 411

<210> 9041
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-133-Q1-E1-A1
 <400> 9041

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gtgagttatt ctttagtttg gagtgcagat tcagagaaaa atggtggtgg ttatttctgg 180
ctacctaate ctccggttgg ttacagagca atgggagtta ttgtaacca tgaaccaggt 240
gaacctgaaa cagaggaggt cagatgtgta agagaggatc ttacagagag ttgtgaaacc 300
tctgagatga tacttgaggt gggttcttcg aagaagtcga acggctctag ttctcctttt 360
agtgtatgga gcacccgacc ttgcgagaaa aggatgctgt cacaag 406

<210> 9042
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-133-Q1-E1-A10
<400> 9042

gaaaccctaa atctcgacct caaacctga accatggctg aaggactcgt gttgaaaggc 60
acaatgtgtg cccacactga tatggtcacc gccattgcta caccggtcga taactccgac 120
gtgattgtaa cttegtcgcg tgacaaatca atcatcctct ggaaactcac aaaggaagac 180
aagtcatacg gtgttgctca gcggaggatg actggtcact ctacttctgt tcaagacgtt 240
gttctctect ccgatggaca attcgtcttc tccggatctt gggacgggtga gcttcgtctc 300
tgggatctcg ctaccggaga atctactcgt cgtttcgttg gtcacacgaa agatgttctc 360
tctgttgctt tctctaccga taaccgtcag atcgtctctg cttctcgtga tcgtacgatt 420

<210> 9043
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-A12
<400> 9043

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caggaacagt cactgctttc tacatgtctt cagatggctc gaaccacaac gaattcgatt 120
ttgagttctt anggaacact accggcgagc cttacatagt ccagaccaat atctacgtga 180
acggagttgg aaacagagaa caaagactca acctttgggt cgatcccacc actgagtttc 240
acacttactc aatcctctgg agtaaacgca gtgttgatt catggtagac gaaacaccga 300

ttcgagttca gaagaatctt gaagagaaaag gtatcccatt tgctaaagat caagcaatgg 360
gtgttttacag ctccatttgg aatgcagatg attgggctac acaaggaggt cttgttaaaa 420

<210> 9044
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-A3

<400> 9044

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aacaatcagt taattgcata acattccttc aaatcctcgc cgagcgatcc ttctccaccg 120
tgaagattcc tccaggtcgt cgcaaaacca ccgaattcga caaacttata aacgaagctg 180
gcagctccgg cgatttcgag accgtacgcc gtctcctaaa caaccgtata gttctcggat 240
ctttcaacac gagcgacaca ttcaaattcc tcaccaaacac cgcttcatac tcctcctatt 300
tagaagatct ccgccgcgtt ttgcctcaag atcgacggcg gtttctcgcg gaaaaacgct 360
tacgacattt taatctctcc gtctctgtaa gctcggncgc atcgacgacg ctttaatcgt 420
tatcggagac atgtctaacg ggagattagg 450

<210> 9045
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-133-Q1-E1-A4

<400> 9045

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ggaaaaaaaa tcacggctag aaaagattat aacgcgtcct agtaagtcct tatcaaaggg 180
atcagattct ttcaaaggac ccaaagaatc tatacttttg cttgggttgg cgtgganatg 240
ttgtgaatat gatcaaggag tttgatagtt ancttgggtc caggcagttc attggaaata 300
ttatcagatg tncccnttag ggggacagaa gaggagtggc ccagnnttat cccaccggga 360

aaattcaggg aacatcccat ntttcacaat agcgttgggg aacncatagg g 411

<210> 9046
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-133-Q1-E1-B12

<400> 9046

acgcgtgggc gggttgtag cagccggaca aagcagtacg ataactggta catatgctgg 60
acagtttata atgggcgggtt ttctgaatct ccggttaag aaatggatga gggcagtaat 120
aacaagaagc tgtgctattg tgcctacaat gattgtggca atcgtgttca atacttctga 180
agcttccttg gatgttttga atgaatggct caatgtcctt cagtctgtac aaattccttt 240
tgctcttctc cctcttctaa ccttggtatc caaagaagaa attatgggag acttcaagat 300
tgggcctatt ctccagagaa tagcttgac tgtggctgca cttgtaatga tcatcaatgg 360
gtatcttctg ttggatttct ttgtatcaga aagtcgacgg gtttctgttt gggagttacg 420
g 421

<210> 9047
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-132-Q1-E1-E5

<400> 9047

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cggatgaagag gaggggtgtc aagacaaata atgaaatggc agtggagctg gccaaataca 120
cggctgatct ttctccaaa ttttgcaaag aaagaggagt tttcacggtt gttctctccg 180
gcggcgacct catagcctgg ctctggaaat tgtagaagc tccttatatt gattcaattg 240
agtggctctaa gtggcacatc ttttgggtcg acgagagggt ttgtgcttgg gatcatgcgg 300
atagcancta naaactcgct tacgatgggt ttctctcaa ggttccagtt cnagctgaaa 360
acatctacgc tatcgataa ggggctcggg ggc 393

<210> 9048
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-A9

<400> 9048

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tcagcggccg agcttggaga tgctctcaag aaccttggct cggtcacaca cgaggacatt 60
aagcgtatga tggcagagat tgataccgat ggcgatggat acatctcgta ccaagaattc 120
attgatttcg caagtgccaa tcgtggtcct atgaaagacg ttgccaagat tttctaaagt 180
aaaatgaaca gatctaact atatttatat gaaaggggtt gagaattaat cggtggttcaa 240
tttgttttgt aatgacaatc atttgatgaa gtatgttttt ttttctttat gtctttatatt 300
tcatgtantg ggaaagatcn tggattantc ttgaagtgga ttgtccgagt gtattggaag 360
aattctcnat tctttt 375
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<210> 9049
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B1

<400> 9049

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ctagggtcac cggaaaactt cagagttgtg tcttctattg aattctccgg gaagtattag 120
tgatggggct ttctcttggg gaacaacatt tcattaaagg tgggattgct caagatcttc 180
gaactgatgg tcggaaaaga ttgacttacc gtcctatcta cgtcgaaacc ggtgttattc 240
cgcaggctaa tgggtcagcg agagttagaa ttggtggaac cgatgtgatt gctangtgta 300
aaggctgaaa ttgggaggcc aagttcactt caacccgata aaggaaaggt tgcagttttc 360
attgattgca ntccaacagc tgaaccgaca tttgggggga gaggaggtga ggaattgtcg 420
tctgaacttg ctttggctct tcana 445
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<210> 9050

<211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B10

 <400> 9050

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 cagatttcag ggacatgtca agaattccta aagttcgaga ggggttctac gcgacgaaca 120
 atcagtttca gaaagcgggt ccaaagggtt tcgttcaagt gaaggttctg gagaacgaca 180
 atctctacgt gcgtgtcgac ttgcctggtg ttccagacga cgccgttcgc tacagagttg 240
 acgccgtgag acaaaagggt gtctttttct ccggtgaaac tctgaacaac ggcaagggaag 300
 gtgtgcgtca gtactctggg aaccgctggg cttggctgtg actgctgcga gatnacaggc 360
 gtggatgcc aatgaaaga tggagttttg aggatgattc tcacaagggt caaggttgtg 420
 ancaaaggct caagacaa 438

<210> 9051
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B11

 <400> 9051

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 aacaacaaaa aattccgtta tttcaactac gttaaattgat ctttcaaatt ggtcaagact 120
 ttccagccta tggccgcttc tttatggtac cagttgttgt ttcattgaat ttgcctcatt 180
 aataggctcc cgatttgact ttgatcgta tgggttagta ccaagatcga gtcctagaca 240
 ggccggacctt attttaacag caggtacagt aacaatgaaa atggctcctt ctttagtgcg 300
 attatatgaa canatgcctg aancgaangt atgttattgc tatggggagc ctgtacaatt 360
 acaggggggg atgttcagta ccggnntctt atagtactgt tncgangaag ttggataagn 420
 caattc 426

<210> 9052

<211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B5

 <400> 9052

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 gagatagaag caagcagaca acaaaccacc gtaccgggtt cagtcggcgg tgggaatttt 180
 ccggttgggtg ggttaagtcc gttgagtga gctatatgga gagagaaagc tccaacggag 240
 tttgtcggag acgtgtcagc gaggcttacg tggcaagatc tgacgggtgat ggtgactatg 300
 ggagatgggtg agactcaaaa tgttcttgaa ggtcttaccg gttacgctga accgggatct 360
 ctacgggtc tcatgggccc ttccggtcc gggaaatcta ctaagctcga cgcattanct 420
 aagcccgnct cgctgtctaa ngcctttccc cccggggaac gntct 465

<210> 9053
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B6

 <400> 9053

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 gtccgaggac gcgtgggttg ttatgcacgg ctgcattcac tgcttttgaa ctcccaccaa 120
 atggagccat cggaacaaaa attctggaat tcctctttca ttcaaggcct gacttgggtca 180
 acattagaag cattgatgag gccgttgtca ttggcgctgc tctatcattg tcatcttcag 240
 cttttgttct acagcttctt gcagagaaag gtgagctccc tacaagattt ggctcagcaa 300
 ccttggaat tcttcttcta caggatatag ctgttggtcc gttactagtc attcttcag 360
 tgttggaag ccaggatatt ggggtgggaa agcatatggc caatgcttgc agaaagaaag 420
 tgcaaaaggg ctcttgggtg ggggttggga tcctcctct cctgggagga aaagttcttc 480
 ctccgttaca atttccgang gttgttgag anacaaaga 519

<210> 9054
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-B9

<400> 9054

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 tttcgtcttg ctctagaggc tgttttgggt tcgagaacgac gtaagaannn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnaag aagaagaaga aaggtttctc tgtaaaccct 180
 aaagattata aacttatgga agaagttgga tatggtgcta gtgctgttgt tcacgtgct 240
 atttatcttc ctactaatga agttgttgct atcaagtctt tggatctcga tcgctgcaat 300
 agtaatctgg atgatataag gaggggaggc tcagactatg actttgatag accatcccga 360
 atgttataaa gtccgntttg ttccgittgc tgttgatn 398

<210> 9055
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-C8

<400> 9055

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 tgatctccgg cgacacatta tcagctaaaa aacctaaatc agttccacaa gaagaagacc 180
 aagaccacc aagccaatca atcgcacttc tcgacaatca cacagattcc tccggttctg 240
 attcttccac tagaagcatc tcaagctgct tcactttcac atctctactt ctgctcacct 300
 gcacgctct atccgccgct tcagctttcg ctttctctt cttctcttct caaaaacctg 360
 tcctttcctt aaaccaaata tcaaaggcca ncagctttcg acaagattcg tagctcgtcc 420
 gctcangaaa tcgacaagnc tgggtggtcct ttgatttaa caa 463

<210> 9056

<211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-132-Q1-E1-C9

 <400> 9056

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 cgctcgccacc accggtgaaa catgtgccgg agtcagttct gccggctaaa ccaccaaaga 120
 ggaacaatta tgcattcgcg tgtgctatct tagcttccat gacttctatc ctccttggtt 180
 atgatatagg agtgatgagt ggagcaatga tttatataaa gagagatttg aagattaatg 240
 atttacaaat cgggattctc gctggaagcc tcaacatcta ttcacttata ggatcttgcg 300
 ccgccggaag aacctctgac tggattggtc ggcgttacac tatcgtgttg gctggagcca 360
 tattcttcgc cggagctatc cttatgggat tgtcccctaa ctacgctttc c 411

<210> 9057
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-132-Q1-E1-D12

 <400> 9057

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 caaggcgaga ggagccgatc tcagggtcca cttcaagaac actagagaaa cagcgcacnc 120
 cataaggaag ctaccattga acaaggccaa aagggtacttg gaagatgtca tagctcacia 180
 ncaagctatc cccttcaccc gtttctgtcg tgggtgttggc cgtaccgctc angcaaagaa 240
 caggcattcg aacggacaag gtcgctggcc tgctaaatct gctcaattcg ttcttgatct 300
 tctcangaat gctgagaggc aatgctgaag tcaaagggtt ggatgtcgat gcccttttca 360
 tttctcatat ccagggttgn nccanncagn anagncag 398

<210> 9058
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-132-Q1-E1-D7

<400> 9058

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acccgatggc atttctcgcg aggtttatgc gcttaccggg ggcgttgacac ctcttatgcc 120
ttcaattgat ttaaagcgcc gtcctcctgc agatgagaag gttgcttgga aatggctttc 180
cttcacaaat tctgctagga aagatgattt gcagctttac cattgggtta gagtgggttaa 240
tgatgttcca ccaacaggtg actattcctt tgccaaatat aacaagtcag ttgatatttt 300
gaaatacaca gacgaggagt atgagaatca tttaacggat tctgtgtgga ccaaggaaga 360
gacagatcag ttgtttgaat tctgtcaaaa ttttgatctc cgctttggtg gtaaaagctg 420
atngaattcc aagtatcacg gaccggttgg aggaattgaa gattcgntac a 471

<210> 9059

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-132-Q1-E1-D8

<400> 9059

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tggtgatca tgatgcctgg agagaacttg cagaaattta tgtttccttg caaatgtaca 120
agcaagcagc tttctgctac gaggagctca tactaactca gcctactctt ccattgtacc 180
acttagcata tgccgatgtt ctctacacaa taggtggact anaaaacctc atcgcagcan 240
gaaagtacta tgcagcaact atagacttga caggtggtaa aagcacanga gcacttctcg 300
gaatatgctt gtgtggatca gcaatcgac angatctcaa anggcaggga anaagagngg 360
acanggggca tgggtggacc aggagcttca agtcnnttgg gtgcanctgc attggggcgg 420
agagntgca 429

<210> 9060

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-132-Q1-E1-E3

<400> 9060

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng taacgtaga 120
gaaggtgatt cccctccgaa ataaaatata aaaacccttc gatttttgga agcaaacatt 180
tctctccgtc gcgaacctaa tcgacgacta ttgttgatca agaagaaggt tttaaagttg 240
aaagatcatg gatatcccag agaagatgga gatggatcaa ctgaatcaag ggtcgagctc 300
atctcttacc aataagcgaa aaagaggtcg tcctcgcata gacgaangnc aagactcagg 360
cancagtgga acccaacctg ttgangagaa accgagangt ccagttgntt ccggggntgg 420
ggtggggggg c 431

<210> 9061

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-132-Q1-E1-A6

<400> 9061

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aggtgagccc atctgtggcg tacgatgcga ctacgatgaa tgagctgaga aaatggaacg 120
agcaatatgg tgaaggaggc agcaggacaa agtctccttt tggcttctga tgaatttttt 180
tttgttttgg tagatcaaag tgttttcatc tgtcttttac tttgtgatca tagtgtaact 240
ctcagtgcta tagccttttt agtatcattt tatttgatgt aaactatata taatggaaca 300
cgaaacactg tacgaccaca tacaaaattc ttactataa cataatgant tccttgatt 360
aaaannngng nnnaganaa aagggcggcc gccnctanag gatncaangc ttaacgttac 420
gcgtg 425

<210> 9062

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-D2

<400> 9062

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gtaagaaagt taggttttga gatctgtgcg aattgtgaga gatgtccacg ccgttgaagg 120
tgtggcaacg ttggtctaca ccgacgaaag cgacaaatcc agattcgaat ggctctagtc 180
atggaaccgg tttagacatg gtgaccccag tttcgggtcg ggtagtgag atccagttcg 240
atgaccaag aatattgcct gagaaaattt cagagcttga aaaagagctt ttcgaatata 300
aacatagtat gggtcntctt ctgattgaga aaaaggagtg gaagttccca gtatgaagcg 360
cttcaacagg cttttgaaga ggtgaatgag tgtctannag canggaacgt aatgcgcata 420
ctgantgcta naggcagatt ttgaaaagcg ggaaagangg ttttgagg 468

<210> 9063

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-D4

<400> 9063

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ccatgacttg ggacaaatct gactatTTTT ggtatataac agacattaca atcggttccg 120
gtgagacatt tttgaagact ggtgattcac ctcttcttac agttatgtca agctggacat 180
gctcttcatg tgtttgtcaa tgggtcagctt tcaggaactg cttatggagg acttgaccac 240
ccanaactaa cctttagcca gaagatcana ctacatgcac gtgtcaacaa gattgctctt 300
ctgaagtgtt gcagtgggtc tcccgaacgt tggtagacat tttgaacagt ggaatanagg 360
agttcttggc ccggtcacat tgaaggagtg aaacatgaa catgggacat gtcannntn 420
gagatgnnch agnanattgg tgtaaagggt gaagccctga gtct 464

<210> 9064

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-D7

<400> 9064

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catggctatg gcggaaatgg caacgaagtc ttactatct gcaaaactca ctcttccttc 120
ttctttctact aagaagacac tgagtctgag acaagtctct gtttcacttc caacatcaac 180
ttcaatctct ctgttatctc tctttgcac tcctcctcat gaagctaaag ctgctgtttc 240
cattcccang gancaaatcg tctcctctct cactgaagtg gagaaaacaa tcaaccaagt 300
tcaagaaact ggttctagtg tatttgatgc aacgcagcgt gtgtnccaag tagtagngag 360
atgctcttaa acnagctttg gacactgctt acccantgca aggcaagctg gtgaagaagc 420
tgtgaagctt gcgtctcctg cggttctcng g 451

<210> 9065

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-D9

<400> 9065

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gatctggcaa attaaacat tccactatgc ttcgtatagt tcaaatcacg cttctttgtt 120
tcgttctcgc cgccgggatc tcgatctccg ccgtgatcgc cgagaatgaa tctatagang 180
agatccttct agcgaatgga ttacctttgg ggctatttcc taaaggcgtg aaaggattta 240
ccgttaatgg cgaaacggga cggttctcgg tttatttggn gtcagtcagg cnaggctaag 300
tatgagacan gagctgcatt acgatgaaga ttgtttcggg gaacgatagg ttatgccnca 360
aatcanggat ttancgggaa tctcagngca agagctgttc ntgtgggtac aggtgaaagg 420
aatccngagt cgac 434

<210> 9066

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-E10

<400> 9066

gaccaaatat ctgttggaac agcttggtgt gctgaagctt aatggagggt tgggaaccac 60
aatgggatgc actgggtccaa aatcggttat tgaacgttcg tgatgggttg acatttcttg 120
acctgattgt taccagatt gagaatctca acaacaagta taactgcaag gttccttttg 180
ttcttangaa ctcatcatt anacatgatg acacacaaaa gattgtggaa aaatacacca 240
agtcaaagt tgatattcac acttttaatc agagcangta tcctcgtgtt gttgctgatg 300
agtttgtgcc gtggccangc aaaggaanga ctgacnanga nggatgggtan cgtcccggtc 360
acggtgatgt antcncatct ctcatgaaca gtggcangct tgaggcggtc gtatcgngg 420
gtaatgggag tatgt 435

<210> 9067

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-E2

<400> 9067

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gacccgcgcc acgggcggta cctaactgcc tgggcatgt tccgtggcaa gatgagcaca 120
aaagaagtgg acgagcanat gataaacgta catgaacaaa aactcttctt actttgtgga 180
atggattcca aacaacgtga agtcaagcgt ctgtgacata gctccccgag gtctctcaat 240
ggcatcgaca ttatttgga attccacatc gatccaagag atgttttaggc gggtgagcga 300
gcagttcact gctatgttca ggaggaaagc tttcttgcac tggtagacag gtgaaggaat 360
ggacgagatg gagtttactg aagctgagag cancatgaac gatctagtct caagagtaca 420
gcaataccan gaccaactgc aagatggacg a 451

<210> 9068

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-E4

<400> 9068

tcgttcgttt ttttcccggt aaatccggcg agaaaaagtt cacattgaat ctacgagaaa 60
atttccttcc atttcactcc acgagttttc acctctcttg ttcaatctct caacgtctct 120
ccctcgtttc tcgttttcgc ttttccctt tttctcttcc tattttaccg gaatccgaga 180
atTTTTgatc agatctagtt tcagaaatag gttagttcca acaatggtga cggaacgagg 240
aaggcgaatt tctggtttca atgggagttt cgaatttagc aatagaaaat tccgtgggta 300
tggaatcgta gatcgatctc aaggtttcca tgaaaggagt ccttcaagat catgttctgt 360
ttcgaaaatc cttcgnatca ngccaccaac ctctgtctcca cctgtcttcgg cttcganatg 420
cgctg 425

<210> 9069

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-E7

<400> 9069

acgcgtccgg gcgtgctcgc ctaacacaga tggggaaata tttcacagca tacaggattg 60
atcatatatt gggattcttc agaactctggg agcttccagc tcatgctatg actggtttag 120
tggggaagtt ccgtccatct attcctttta gtcaggaaga gttggaaaag gagggaatat 180
gggattttga ccgtttaagc aagccctata tccagaagaa gtttcttgag gagaaatttg 240
gagatttttg gccttttatt gcataaaact ttcttaatga aactcagaag gacatgtatg 300
agttcaagga ggactgcaac acagagaaga agattgtagc aaagctgaag tcattggctg 360
agaagtcttt gttgctagaa aatgaggaca aagttcgacg tgatgtcntt gacattttac 420
ggaatgttgt tctgatnaaa 440

<210> 9070

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-E9

<400> 9070

tgaagcattc gaagtcggca cagtccatt caattccgat ggttggggac caccagatgc 60
ttccgacact tctccacca gcgtcgcggc gggaatctc ctcccaaag tccccttcgc 120
ttcctttctca cgatccgaaa aactcggacg cgttgctgat tggactcgag ctctctcaaa 180
tccatcagct cgtcctcaca ccggaatccan atcagatcca tcagcgatct tcgattttctc 240
aagcttttgc agtagatgaa tgatttggtc taacanactc aggtggnaac gccgaccang 300
acgccgcttt ccgattagnc gacggaaaaan caccgcgcgc tcctaanttc ggacctaaat 360
ggagattcaa tcaagacatc annccganatc agcttctctca acgtcgggga cngaa 415

<210> 9071

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-130-Q1-E1-F1

<400> 9071

acgcgtccgc ttgaaaatcc gagacatcca caatgccgcc aaagttggat ccgagtcaga 60
tcgttgacgt gtacgtccga gtaaccggggg gagaagtcgg agcagcgagt tctctagctc 120
ccaaaatcgg tccgctaggt ctgcaccaa agaagatcgg agaagatatc gcgaaagaaa 180
ccgcaaagga atggaaagga ttacgtgtaa ccgtcaagct cacagtgcag aatcgtcagg 240
cgaaagtgc ggtggttcca tcagcagcag cactcgatcat caaggcgttg aaagagccgg 300
agagagatag gaagaagggtg aagaacatta agcataacgg gaacatctcg tttgatgatg 360
tgactgagat tgctaggatc atgagaccta gatctattgc taaggaattg agtggaaacag 420
tgaagggaga ttcttgggaa ctgtgtgtcc gttgggtgta ctgtg 465

<210> 9072

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-130-Q1-E1-F3

<400> 9072

gggcggacgc gtgggcgtta ttatctcatc ttggccgaa aactatggag atccatctga 60
 aaacaaagac cttcttacct agttcaagaa cgctgcatct gccattgctt ctgatgagaa 120
 gatcgcatta ctcggtgcta ttcagtctct gtttgaaggg tccatgtaca cctttgtgtt 180
 tctctggact cctgctttga gcccaaacga agaggacatt ccacatgggt tcatatttgc 240
 aacattcatg ctggcttcga tgcttggtag ctccattgcc tctcgtttgt tggcacattc 300
 gtctccaaaa gtagagagct atatgcagat cgtatttgtg atatcttctg ctgctctaatt 360
 gcttcctgtt gtaacangct tcttggtggc ggccctcagg tgtaaaagggt ggaagcatat 420
 ncttcnctgg atgcattcag ttaa 444

<210> 9073
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-F5
 <400> 9073

ctcttctctc taaaatattt cagagatgag agaagcatct cctttggccg accaaatttc 60
 ttctagtttt gctgtcccaa tatataatcg ggttttatgt ccagcatctc cgacttccgg 120
 agttgtgatg gctggccctc tgtttggtat catccggctt ctataaggag cgttggccag 180
 cttcgtcgtt ttttctagtc gtccggtgta tgaggttcgt atcacgttta atattcgtctg 240
 tttggttatt ataaatccag tagatccggt tatgtctcta cttttgttca attatttcga 300
 ggattaatag ttctgctccg gtggcctcta acaaggttat gtgttgatag ctttggttga 360
 tctangatgt ntctttcgat ttagttgtca ngacagttct gncgcctaag ttagctgggt 420
 aaaagccant ag 432

<210> 9074
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-F6
 <400> 9074

caaggttcgt gtttgcattct tatgaagact gcgtattcag acggatttga agagtctgct 60
 atatgttggtg tattaaaaga aactcttaaa gctcttgatt atcttcatan acaaggccat 120
 atccatcggg atgttaaggc tggaacata cttcttgatg acaatgggtga gattaagctt 180
 ggcgattttg gtgtctctgc ttgcttgttt gataacgggtg ataggcaacg tgctagaaac 240
 acatttggtg gtactccttg ctggatggca ccggaagttt tgcancggg aaatggatac 300
 aattccaagg ctgatattctg gtcanttggt ataacagcac ntgaattggg cccatgggtca 360
 tgcacctttc ncaaantatc ctcccatgaa ggtgctccta atgacnattc a 411

<210> 9075
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-F7
 <400> 9075

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 tcttcccttt catggctcaa ggccacatga ttcccatggg tgatattgca aggctcttgg 120
 ctcagcgtgg tgtgatcata acaattgtca cgacgcctca caatgcagcg aggttcaaga 180
 atgtcctaaa ccgtgccatt gagtctggct tgcccatcaa cttagtgcaa gtcaagtttc 240
 catatctaga agctggtttg caagaaggac angagaatat cgattctctt gacacaatgg 300
 gagcggatga tacctttctt taanagcggg ttaactttct cgaangaanc antccagaag 360
 ctcatgaag aagatgaanc ctcgancaa ctgtcnaaat tccgattttt ggtttgcct 420
 aaacaagcaa aaacngccag gangtttcan taatcccaaa aggatccnct 470

<210> 9076
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-D11
 <400> 9076

acctaataat cgcaanagaa gaanaattcg gatcaaaatt gtcttcaagc atcatggatc 60

catacagggg tcgtccttca agcgctcatg attccccctt cttcactaca aactcggggtg 120
 ctctgtgtctg gaacaacaac tcttctttga ctgtcggaac tcgaggtcca atccttctggt 180
 aggactatca tctgcttgag anactcgcta actttgacag ggagcggatt cctgagagggg 240
 ttgttcatgc cagggggagcc agtgcggaagg gtttctttga agtcactcat ganattaccc 300
 agcttacttc tgctgatttt cttcgaggac ctgngtggtc agactcctgt tatcgttcgt 360
 ttcgcaantg tcatccanga gcgtggnagt cccgaggact cncagagcat gcgcgtnggt 420
 tttgcggt 428

<210> 9077
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-G9
 <400> 9077

catgactatc ccaccgagga tggtagtgcg gtaagagact acatccatgt gatggattta 60
 gcagatggcc atatcgctgc gtcaggaag ctatttgctg atccaaagat tggttgtact 120
 gcttacaatc tagggactgg tcaaggaacg tctgtgtag aaatggttgc agcttttgaa 180
 aaagcttccg gcaagaaaat cccgattaag ctctgtccga gaaggtcagg agatgcaaca 240
 gcagtttatg cttcaacaga gaaggctgag aaagaacttg gctggaaggc aaaatatgng 300
 agtggatgag atgtgcagag gatcagtgga aatgggcana caataatcca tgggggttacc 360
 agaataagcn ttgaatttac ttcctttgnt tggagttacc atttctaatt actcaant 418

<210> 9078
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-H10
 <400> 9078

ggcgaaaaaa gaagatgaat atcgttggat tgagcaaacg tttcttctcc gatcgctcgt 60
 ctcttcacgg gatcaacaat gctctcttga naacagtgtt caccggtcgg aaaccgattc 120

tcggattctc cggccgatcg attcacgagc tacgcaaaac tgggaatttc gtaatccctc 180
 gtgtttttctc cgtgtcgcca aatctaacga cgaaggcttc gtctttctctc tcgaaacaan 240
 ctgcgtttctc acgatgggat ttganaaagc tcgaatcaca tcctttttang actaagagta 300
 tcantacttc tgtcatctan atggctgcag atctcanttc tcagangatc acaatggaag 360
 ccaactgggn tcctttgact tgatnagaac agcggagaat ggcnaacttt tgggt 415

<210> 9079
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-H9

<400> 9079

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 ggttttccact cccgatgccg gggggcaaag gatagagtta gccaaaattc ggctgctgaa 120
 attgaactac aactttctgc tttcaagatg ttcttagatc tagcaggaaa ccatctctca 180
 ggaagagact tcaactgagc ctttgatgca ncttggttcc cgctcactct gttctccaac 240
 tcgtttgatc ctggctgggc atctgggatg tcaagctact gttatacagg gactgntcgg 300
 tatgcntgtt gaangtggcg caagataang tgaaccaatg tttcccntga agcttcacgt 360
 tttgggnagt ac 372

<210> 9080
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-A3

<400> 9080

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 agaaggcgag aagaggagcg acaaggcgga agctgcagaa ttcttcggta attttcagat 120
 tcggttgaat aatggcggct gcggcttttg ggcagttaaa tctagaggag cctccaccga 180
 tttggggatc tcgtagtgtc gattgcttcg agaagcttga acagattggt gaaggaactt 240

acggccaagt gtacatggct aaagaaatta aaactgggtga aatcntggct ctgaaaaaga 300
 tccgtatgga caatgaaaga gaagggtttc cgataaccgc tatccgggag atcaaaattc 360
 tgaagaagct gcatcatgaa aatgtcatcc atttgaaaga agattgttac ttctccaagg 420
 tcgagatagg gatgatcaag gaaagccaga taatanchag tacaaggggtg gnatctacat 480
 ggtccttgag t 491

<210> 9081
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-A4

<400> 9081
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 ctgtcnaaag agttcgttcc cttgagagat tctgactctg acanaagagt tcccccaacc 120
 ggaagagaaa ttcaaagatc atgaaaacgg tgaaagatgc gacgacgacc aggaattgga 180
 ggattacaaa aggccgcanc tgctagggat cagtaccggt tactaggaga aaatgtagcc 240
 aagttacgga ctgatatgat gaaagaacag ctctccacgt tccgttccca gcttgaagag 300
 ttcgctcgta aacacaagaa tcacattcgt aagaatcctg ccttcagggc tcagttccat 360
 ganatgtgtg cnaacattgg tgtggatccn cttgcttcta anaaggggtt ctgggctgaa 420
 ccccntggg aa 432

<210> 9082
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-B11

<400> 9082
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 tctcctccac cattccgac tcccgaagct tcttactttc tccgaacttg ttcaaatttc 120
 tctcaattga aacaaattca caccaaaatc atcaaacaca atctcaccaa cgatcagtta 180

ctagttcgtc agctcataag tgtttcttcn tccttcggag aaaccaata cgcttctctc 240
gtctttaatc aacttcantc tccttcnact ttacctgga accttatgat angatctctc 300
tctgttaanc anaaacctcg tgaagctctt cttctcttta nccttangat gatcgctcat 360
caatcccagt ttgnnagatt cacnttcnct ttgtttanca nagcttgtct ccgcttcntc 420
gtcggttcgt ttagg 435

<210> 9083
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-B12

<400> 9083

taatattcgt tggatttgtt ggtttaaggg atcctccaag gaaagaggtg cgtcaagcca 60
ttgcagattg cagaacagca ggtattcggg tcatgggtcat tactggagac aacaagagca 120
cagcgggaagc gatctgccgt gaaattggcg tatttgaagc agatgaacat atctcctcaa 180
gaagcttgac gggaatagaa tttatggatg ttcaagatca gaagaatcat ctacgacaga 240
ctggagggct cctgtttctca agggctgaan caaacacacn ncaagagatt gtcagggttac 300
tgaaagaana tgggagaant ggttgccatg actggagacg ggagtcaatg atgctcctgc 360
tctgaanttg gctgagattg gtgtggcnat ggn catttcc ggcacagngg gtggca 416

<210> 9084
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-B5

<400> 9084

ngcctggccg taccgggtccg gaattcccgg gtcgaccac gcgtccggaa gattccagcc 60
agtgaagta cctgaaccta ccgtggatga aactattcag atccttaagg gtctgcgaga 120
gcgatatgaa attcaccaca agcttcgtta cacagacgaa tctttagtag cagctgcaca 180
gttgtcatat cagtatataa gtgatcgttt ccttcctgac aaggcaattg acttgattga 240

tgaagctggt tctcgggttc gacttcgtca tgcacaggtc cctgaggaag ctagggagct 300
 tgagaaggag cttaggcaga taacaaagga gaagaatgaa gctgtccgtg gccaggactt 360
 tgagaaggct gggacacttc gggatagaga aattgaactc aagagctgag gtatctgcaa 420
 tccaagcgaa aggcaaggag atgaagcana gcagaggagt gngaccgggt gaaggaaggc 480
 ccnatgggtca cggag 495

<210> 9085
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-B8

<400> 9085

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 nnnnnnnnna gagttttgtc agatctcgcc gggaaattag caatggcggt ttagtctgtt 180
 tacctgtgaa gcttttgcgt aaacgctgga ttcttctcaa atctctctca cctgatctct 240
 tattagattc cgaggatggc gctaaagcga gggctatctg gagttaaccg gattagagga 300
 agtgggtggtg gatctcgatc tgtgcttggt cttctcatat ttttctgtgt ttttgcacct 360
 ctttgcttct ntgttggccg aggagtgtan atcgattcct cagatganta ttca 414

<210> 9086
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-C10

<400> 9086

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 anggcactta ttgctgcaga gtatgcgggt gtgaagatcg aggagtccgc agactttcag 180
 atgggcgtca ctaacaagtc acntgagttc ctttaagatga accctattgg aaaggttcct 240

gtgcttgaga ctctgaagg tcccatatTTt gaggagcant gccattgccc gatatgtgag 300
 ccgtaagaat ggtgacaact ctttgantgg atcctccctt agtgaanang ctcacantga 360
 gcaatggatc gantttctcct cattggngat tgatgctaac angttgaaat g 411

<210> 9087
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-130-Q1-E1-C3
 <400> 9087

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 tgaaatgaac cctcaagcta atgaccggaa ggagtttcag ggagattggt cggcgacggg 180
 agatctcacg gcaaagcacg attcagctgg aggaaacgga ggtggagggtg ctangtataa 240
 gctgatgtca ccggccaagc ttccgatctc naggtcgact gatatcacga ttctctctgg 300
 gttgagtccg acttcgTTTTt tggaatctcc tgttttcatc tccaacatca agccagaacc 360
 ttcccctact actggttctt tgttcaagcc tcgaccagtg cacattttctg ctagctcaaa 420
 gttcttanac angcangggg ttccatcaga acacctttag 460

<210> 9088
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-130-Q1-E1-C7
 <400> 9088

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 aagagtgcgt atgcccgcaa acaatcgggt gcatagtagt gcagcgcttc agactcatgg 120
 aatatcgcac tgggacgaaa cctcacacgt ctcgaaactc tatggttcga ttactccgcc 180
 acgaagtcgg attactatct ctactgtcac aacattttgt tcttgttcct cgtcttctct 240
 ctcgttcttc tccctctcgt ttctgtcgaa ttggctcgat ctgcttctgg tttgtttaat 300

cggtataaga tccagcctaa ggtaattac tctttatctg atatgttcaa atgttacaaa 360
gacgtcatga cgatgtttat cctcgtcgtt ggtccattgc aactcgtttc ttatccttcg 420
attcaagatg attgagatac gatctgggat taccatt 457

<210> 9089
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-C8
<400> 9089

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cagtttgctt ttgataaata tttgatgtgg caaaactctt gtggatcttg atgttcaaac 180
attcatgtct ccggtgatta gtgaaatcct tagatcnggt ttaactatag actcgtctta 240
atcatagtag ttaattttct ctgtgtgttt taatangaat aataaaaactg aaatgggagc 300
ttccacaagt ggaaattgct cgtcggtttc aaccantggt ttanctaant ccggttcaga 360
nnctgatctc cggcancgtg ntchaaatcga ngancggaag aganaggagg gananaggcn 420
ngcaggagaa tctggcgaag gagggctcag ggatgagngg aaggc 465

<210> 9090
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-130-Q1-E1-D10
<400> 9090

agacatggtt acgctctcag gtggccacac catagggttc tctcactgtt cttctttcga 60
gtcccgtctt caaaacttca gcaaattcca tgacatagat ctttcgatga actatgcgtt 120
cgcgcaaacc ttgaaaaaga aatgcccagag aacatctaac cgaggcaaga acgcaggagc 180
agtcttggac tctacttctt cggttttcga caatgtttac tacaagcaaa ttttgtccgg 240
gaaaggagtg tttgggtctg atcaggcacn tctaggcgat tcccggacta agtggatcgt 300

tgagacgttt gctcanggac caaaangctt tcttcagang agtttgcagc ttccatggta 360
aaacttggga actttggagt caaagcngac tggacaaggt tangagttaa caactcgctt 420
cgtcaa 426

<210> 9091
<211> 396
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-G8
<400> 9091

ctgggtccacc gttcaatgca gccagttact actacccaaa aggcatttac tacgtaatgg 60
attacttcaa aaccacttac ggtgaccctt taatatatgt cactgagaat ggatttagta 120
ccccaggtga tganggactt tgagaaggct actgccgatt anaagcggnt tgagttatct 180
ctgtagtcat ctctgtttcc tcaagtaaag tcatcangga gaagaatgtc aaccgtgaaa 240
ggatattttg cttggncnct tggggataat tncganttct gtaacgggnt ttaccgtcaa 300
gattcggacc taanttacgt ngagtttcgc aanatanacac tgggngatan nggacctcaa 360
gagcaatcng ggnanattgg ttccaagaat ttcaga 396

<210> 9092
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-C2
<400> 9092

acgcgtccgg gttcgctgcc gccgaaattt ccgatcaacc ttaataagga atatgacgtc 60
tctgtcggta aatgatcgga aggattttgt anatgggcag atgaagtact ggcgtcaa 120
anccgaatcc gatggtttcg anacgatga tgttccagta ccaanaggaa ccaagagctg 180
gactgtggtc tgtcgactgt aancaccac gttttaggct tanggcttgt ttaccaaga 240
tttatgctan ggttggtcnt caccgttaca atttgctcan ggggacaaac ttcgagcacc 300
ttgagttach aaaatacaac gagtcaanga actgtgtgtg ntcnnacnat agaacttcgg 360

ttgcangtag atctttctag gccanttgca gaanaacttt tcaanatncg nagttgatga 420
 aaaaaagtt 429

<210> 9093
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-C8
 <400> 9093

acgcgtccgc ataaagttct ttctcttact catctccgcc gccggcagta aaaatatcac 60
 atcgttaggg tttaacggcg gagattcaag ttctttgacc taggaagctt tcactatcac 120
 cggagactat ttcaatggca accatggcta ggtcggttct gcaggcgata tcgaaggatg 180
 aggcggtggc tcctccgctt agagttgttc agatcgaagg actggctgta ctaaagataa 240
 tcaaacactg caaggagttt tcaccgaccc ttgtcactgg acagcttctt ggacttgatg 300
 ttggtagcgt cctcgaagtt accaattgtt ttctttccc gggtcaggnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaaggt 420
 taatgtttac 430

<210> 9094
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-C9
 <400> 9094

ccgcccacgc gtccggttta ctgcaagaag gaaatttggg ttgctcaagc aatgtagaag 60
 cgatgaaaat ttgatggaa gttttttcgg aaacagaang tttgaatgtg agataatttt 120
 caatttcagg ggatttggat gggtttttgc cggaacgttc tcttcttcgg tggatgcacg 180
 ccaaagtgtc ggcgaaatga cnaaaagaag cttgtaccag tggaatactc ttcttaacag 240
 tttanccaga gatgaaacaa tggaagaag tcttgtatca ctttagtcat atgtttcgcg 300
 atgaagaaaa gcctganaat ttcacncttc cagttgctcn caaggcctgc gggganctgc 360

gggaagttaa ttaanggtga aatgattcat gggttcctga agaaagatnt cactcctggg 420
gtcngaccct tt 432

<210> 9095
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-129-Q1-E1-D6

<400> 9095

acgcgtccgg tcagtttgac taataaattt cagatggctg tttctctgac agcttgtaat 60
cgttggctat tgacaggaac accaaccctt aacacaccaa atagccagct ttcacatatt 120
caacctcttt taaagtttct tcacgaggaa gtctatggag aaaatccaaa gttttgggaa 180
gctggcatcc ttagaccatt tgaagcagaa atggaggagg gtcgtttgcg tttacttcag 240
ctgcttcang agatgcatga taagctctan gaaagaaaga tctgcagatg attcctccgt 300
gtatcaagaa ggtgacatac cttaatttcc ttccagggca tagnaagaagc tacaatgnnc 360
tagtggggaga cagttangcg ta 382

<210> 9096
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-129-Q1-E1-D7

<400> 9096

acgcgtccgg tttatcagtg caacagatac aatcaaaagg atgaagagta atattttcgg 60
gatggaaggc aatatggacc aagcttcttc agaagataat gtcagtacaa tcaaagagtg 120
atgggggtcaa cacttctctt ttcgaaaaga gagaacatat agagaaactg caccggactc 180
gtaatcttct tcgtaaagtt cagttcatct atgatttacc tgcaagactg caaaaatgta 240
tcaagtcaga agcctatggc gatgctgtca ggttctatac tggagcaatg ccaattctca 300
aggtatatgg gcgatacatc attccaagac tgcaggcgag cttccgaaga agctatagaa 360
attatcataa agaacttgca gacgaagcta ttttcagatt cagaatccat acaggcgaga 420
agctgaagct gca 433

<210> 9097
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-E10

<400> 9097

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acgcgtccgg catatgaaag agaatatgga aacacataaa aaattaagag ttgtcattct 60
ttgaatcccc gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnngagttc ggctacgaac cagagtaaac aagggaacc caagaacaan 300
aacaatcctt ttacagcaa tgaatacgnt acaacagata ggatctggga gctggtttta 360
agctctctgt gctgaaagat cctacaggac atgatatatc cttgcantat gatcttgggc 420
gtgaggttgg ncgaggcgat ttggggata 449
```

<210> 9098
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-E2

<400> 9098

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aacagcttcg tattcgctca tcttcttcgc tttctgatct tggaaatcgc aggcattgtt 60
cgtctactcg aggatttcaa ttttggtcat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaccg gcggttcgta 180
tttccgacgg gaatctaatc atcanaaacc ggacgattct aaccggtgta ccagataatg 240
tcatcacgac gtcagcatcg gaagctggac cggtanaagg agtcttcgtc ggngctgtat 300
ttaacaagga angagaagta aacacatcgt accgatcggg acgcttcggc aattccccgn 360
ttatgtccnt gtttccgggt taagctctgg tggatgggcc aagagaatgg gagaaatggg 420
ccgagata 428
```


<210> 9099
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-E4

<400> 9099

aaaccancga gttcctcctc aagatccgcg aaatggctac acgtgggtggg gggggaatga 60
 acaaattcag tcgttgggga cctccttccg gcggccgtgg tcgtgggtggc gactctgggt 120
 atggtggcag aggtagcttt gcttcccgtg acagaagcag caatggatgg ggaagagagc 180
 gagaaaggag ccgtagccct gagagattca acagagctcc accaccgtct tccaccggat 240
 ctctcctcgc cagcttccac gagacgatga tgatgaaaca caagatgaan aagagagata 300
 caaagctctg ataaagncaa gtgacaagaa gattgtgttg tgggggattt cccntatcat 360
 tgtgacatta tatatttttt ggccgatgaa nnaacagnng aananggann nnacgaccag 420
 ggaggaatgt t 431

<210> 9100
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-E9

<400> 9100

acgcgtccga atttctcgta gaagaagatc aaatcgctct gaatatgaca tcaattgagg 60
 caacagaaac gcttaacgct cctccaaagc ttcagatctg gaacaacgct gccttcgacg 120
 atggagattc tcaaataact tccgccatcg aagcttcttc ttggtctcac ctcaacgaat 180
 cattcgattc cgattgtagc aaggagaatc agtttccgat ttcggtttcc tcttcgctcc 240
 aatcctcagt ctcgatcacc gaagctccgt cagcaaaatc caagaccgtg aagaccaaatt 300
 ccgccgcaga tcggagtaaa aagcgagata tcgatgcang agatcgaaga agtagagaag 360
 ggggatcgga cgattatcga cgaaattggg agtcgctccg attagaggaa ggcggagcaa 420
 accgcaagaa gcattgctat acgtgggaag aat 453

<210> 9101
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-F3

<400> 9101

tctgggtcagc tgtctcttcc ccattctcta gggttttcaa agctcaacct caanctccac 60
 tangatctct tcttcttctc naatctcaag ttgaaagatg caaggtgtga ttcgatacctt 120
 cgtctccggt ggaaatgttg tgaaaggctc tgtgctgcaa catctccgtg gtgattaacc 180
 cggcgattca gccttctgtg ttttggtcac gctctgaanc aactcaacct gcacgtatgg 240
 gangaatctg gnttcgagga gcacaactat ttccgaangt catgaaatcc aaangcaaaa 300
 antngctgnt gngatncttg gctttgggtg tactacngan gacactgntt atggagggnt 360
 gttaaaatcc cnggacacaa nacaatgntg ggtgccttgg tggntgtgaa acctgggtga 420
 gcaaaaaagc tcgtgcntgg gt 442

<210> 9102
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-F6

<400> 9102

caaaaaaaaa cttaagttga ctgagaaaac taagcaaaaa gatctccgat cggaatcttc 60
 ttattcgcca tggatgctct ttctcaggcg atcagttccg ggatctccgt tccttacaag 120
 aacaattctt cttctctcgt tccttctcac ggactcacct ccttaatcct ccggaaatcg 180
 agatctccgg tgaatccctc atcagatct cgcgtctcgg tgcgagcttc ggagattcaa 240
 cacagcaaaa cctcagcttc atcgatcgat ctcagcgatc caagattgga aattaaagta 300
 tgagaaagat ttcgagcaac gattcaagca tacctcacat cactgatgtc ttacctgatg 360
 ctgaagccat tcgttcaacg gttttgtctt angatgaggt ctccgacgga aggttttggt 420
 g 421

<210> 9103
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-F8

<400> 9103

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tgcaactgca acagttgaga ttttgagcgt gtcaaggatt ctgattgata acgatattca   60
agttcagcaa tctcattgca gtagaaaatg gaatcgaatc atcctcactt caagctaatt  120
ttgggatctt cttcgattgc tcgacgtaag atactaacag atatgggata ccaattcact  180
ctcatgagtg ctgatattga tgagaaaagc atccgcaagg agaaacctga agagttgggt  240
ttggcttttag ctgaggcaaa ggctgatgct atttgtgtcaa aactacaaat taagtgaatg  300
tgaagatgag gaacaaccga nagtcttgat tgcacggnt acagtgggtg tctatgaana  360
tgctgttnag aganaaaccc tcgngtgtcc gaagaagcan agggagtaca gaaggaaggc  420
tat                                                                    423
  
```

<210> 9104
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-129-Q1-E1-F9

<400> 9104

```

acgcgtccga ggagatcctc atccagcatg agaccttcca agactctctt tgtgattaac   60
tttgatgcgg ataatactag gacccgggat ctagagaaac actttgagcc gtatggaaag  120
atcgtaaacy ttaggatcag gaggaatttt gcatttatcc agtacgaggc acaagaggat  180
gccaccagag cattggatgc ttcaaataac agtaagctga tggataaggt gatctcggtg  240
gagtatgctg tgaaggatga tgatgctaga ggaaatggac acagtcttga aagacgccgt  300
gataggtcac ctgaaaggag aaggcgatca cctaagtcct taaaaagag aaagaggaag  360
cctgattat ggccgaggag ctaatcctgt tgctgcctac agaaaggaaa ggaccagtcc  420
tgactatggg ccaaagacta gcccaagtc                                     449
  
```

<210> 9105
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-G5

<400> 9105

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gcagatgcta tcatgctttc tggatgaaacc gcacatggaa agtttccgct gaaagctggt 120
aacgtaatgc atactgtggc gttgagaacc gaggcaagtc tacctgtcag aacctcggca 180
tcccgtacca ctgcttaca gggtcacatg ggccaaatgt ttgcttttca tgcttctata 240
atggcaaata cactgaagct caccgcta atgtatttacg agaaccggat ccatggcagt 300
gcttctaagc cactaccgcc catctgcaac aattttcgcc ttcacaagac caagnagaaga 360
ataatgcaaa ggcttgctcg ttatcaangt gtcatgccta gatatatgga gttctcggat 420
gatggcagaa gata 434
```

<210> 9106
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-129-Q1-E1-B8

<400> 9106

```
aaagacgcaa acctcgcac cattcctgtt gaggagttga ttgaaaaggc tgatggattt 60
gccggagtct tcccaggagc acaaatacga aattgtgaaa aagttgcagg agaggaagca 120
tattgttgga atgactgggtg atggtgtcaa tgatgccctt gctctaaaga aagctgatat 180
cggatttgct gttgctgatg ctacagatgc tgctcgtggt gcttcagata ncgtgctcac 240
tgagcctgga ctcagcggtta ttatcagtgc tgttctcacc agcaggagct attttcagaa 300
agaatngang aactanneta tcgatgcang tctcaatcac natcccgtat tgggtgtttgg 360
gttcatgcnt agtgccnttt ganatgggga atttgncttc ncaagccttc aanggggttc 420
tga 423
```

<210> 9107
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-G10

 <400> 9107

```

ttacgcttgc cggnaccggt ccanaattna cgggtcgacg cacgcgtccg nggacgcgtg   60
ggccgattca gagagaacan cgaatatgac cgccgattca accgtcgcac tcgttcatag  120
cgtcgtttct aacggtgatg tctccaacgg aaacacctcc gcttcctcta agaaatctcg  180
tgagattgac cgtcgccgcc gcagacggaa gcanaagang aacaacaaag catcccaagc  240
cgatgtagat gcatcggacg tttctgctgc ttctgaatcc aaagagaata cagatcccca  300
gccacaggtt tgtgagcana ttgtgataga gtatgttcca agagcaagct gaatttgaag  360
atggttttan cgatgagttt aaggaaatct tcgagaagtt caacttccgc gaacctcttg  420
cctctgaaag aagncggtac ganagatgag tctg                                454
  
```

<210> 9108
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-G11

 <400> 9108

```

taantgagtt ttttttttaa ttagaaacaa atgggggttga gtggtgttct tcatgtggag   60
gttgaggtta agtctccggc tgaaaagttc tgggtagccc ttggcgacgg catcaatctc  120
ttccccaaag ctttcccnaa cgactacaaa accatccaag ttctagccgg cgatggcaac  180
gtccttgget ccattgcctt cattacttat ggagaangat ctccactggt gaagatatcg  240
gcgganagga tcgaagcagt ggatttgng aaaaaagca tgtcgtacag catcattggc  300
gngaaatgt tggangtact aaaaacctt caaaggaacc atcaccgtta tccctaagga  360
tggtgtgtag cttctgaaa tgggtctgggt gagtttgaga anaccgcca agagatcgan  420
gattcaaaat gtcatcaang accttg                                446
  
```

<210> 9109
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-G12

<400> 9109

caagggtgtga cctgagaatc acaacacaaa acaatctcac tcgaaattcc tttgactcat 60
 catcatcacc atgtggagaa gaatcgtctc ctctcagctc aaaaccctag ccgccgatgt 120
 cgtcgctgct tctcctcgtc gatcgagagc cgccaccacc angacctgtc ggtttctatc 180
 tcggcgccaa tcgatnagcc atttccgcat cttctttcgn tatccctcgt cgtttcaagc 240
 tccgattcaa tatagactcc tgcgacgaan aacgtggagg atgtaatgcc cattgcgact 300
 gggncacgan gaaggaagag cttgaagctg aacttnaggg aaacgaggct ggatgatatt 360
 ggacttcccc tgaaaaggnc cttttgggac ctaaaggaaa ctctgcnaa ttgtga 416

<210> 9110
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-G7

<400> 9110

gggtcttctt ctttgtctct gctcttcact ttcaattata acctcttcgt cttcttcgcc 60
 gtctctggta ttaactccgg cgagtttttt tttttttttt ttactttgat atgaatttgc 120
 gagatttact gtttaattca ngangacaat tttggatttt tgatcggatg tgaaattcag 180
 agtttttcat tcttcttcat catcttataa caanaagaa acanaagaaa anactttttt 240
 tttctttctt tcnagtgttt cggaanctan ggggtgaagca agcagacaan aaagggcatg 300
 gaacagagaa atgacngtta ngacaantct ttcnctagac ataggatnaa tacgcgaaga 360
 gatncggtta cgaagtttca tgtcnggaaa 390

<210> 9111
 <211> 393
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-G8

<400> 9111

atcttctatt tccgaataac aaaaccgatc ggccggagaca tgacggcggc acaaggggaac 60
tctaacgaga ctctgttttc ttcttacaag atgggaagat tcgatctctc tcatcgagtg 120
gttctggcgc cgatgacgcg gtgcagggcg ttgaacggag taccaaacgc ggcgttgga 180
gagtattatg ctcanccgac cactcccggc ggttttctca tctccgaagg caccatggtc 240
tctcccggat ccgcaggggt cccacatgtg cctggaatct attcaagatg aacaagtnga 300
agcatggaag cangttgtgg aagcagttca cgctaaggga ggtttcatct ttgtcaatn 360
atggcangtt ggncgtgctt ctcatgcagt gta 393

<210> 9112

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-G9

<400> 9112

cctctttcta atcggagtta ctttaatccc cttgaaccat gtcaaagaga aagactaaag 60
agccaaaggt cgatgttgtg actcttggac catctgttcg tgagggagag caagttttcg 120
gtgttgcca catctttgct tcattcaacg acactttcat tcatgttact gatttgtctg 180
gtcgtgaaac tcttgtccgt atcaccggtg gaatgaaggt gaaagctgat agagatgagt 240
cctcacctta cgcagctatg cttgcagcac aggatgttgc tcagcgatgc aaggaacttg 300
gtatcactgc catgcatgtg aanctccgtg ccacaggtgg aaacaagacc aagacacctg 360
ggcctgggag cacagtctgc ccttaanaag ncccttgctc cgtttcggg 409

<210> 9113

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-H1

<400> 9113

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cgtgggtcca tctctcaaga cgtctccgcc gtaatcatga cgaacgcttc ttcagcgcca 120
ccgccgccgc aggcaaacg cagacttggg agaacgagta ggtccgctat gaaacaaaaa 180
atccacagaa caaaaactcg taaaacgaag aaaacgtctg caccaccgga gcctaacgcc 240
gatgtagctg gggctgataa agaagcatta atgggtggagt caagtggagc cgaggctgag 300
ctaggacgac catgtgacta ctatggagat gattgtaaca aaaatctcat gaagcattaa 360
tggcgataat ggagttttaa cgtttgatga tgatatcatc gatcttttgt tgggacgagt 420
cagattctgg ccacttgtag acaaacacaa cgtgcggtgg gtgatgggga gttgnaataa 480
cataagga 488

<210> 9114

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-H12

<400> 9114

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ccgtttatcg aacatctgag atctctctcc acttccgtca ccgaagatgc attccagtca 120
tcttcttctc gaggagccga tcaggatggc ttcaatcctc gagccttcca aatctagttt 180
cttcccgga ttgactaaga tcgtcggaac tctaggtcct aaatcccgat ccgtcgaggc 240
tctctccggn tgtctcaaag ccggcatgtc tgtggctcga tttgatttct cgtggggaga 300
tgctgattat caccaggaga cacttgataa tttgaaagtt gctgtgagga gcactaagaa 360
gctttgtgct gttaagcttg atactgttgg nctgagcta caaagtttat taacnaatcc 420
tgggaa 426

<210> 9115

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-H2

<400> 9115

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gaggaatcga tcttgagaa gattgttgag aagatccatg gccacggtga ctcgtcttct 120
ctgtccgatt ccgacgacga taacaaatct acatcgtctt cgtcgtcgtc cttcanntca 180
aagatttacc gacttttcgg aaggagaaaa cctgttcaca angttctcgg tgggtgggaaa 240
cctgctgata tattcctttg gaggaacaag aaggtatctg gtggaagtcn tgggtgctgt 300
aactgcntct tgggtcttat tcgagttatt cgaatancat cncctcgcct ttctctgtca 360
ctttgcnant tttgctcctt gangncattg ttcttgtggt ncaaatgg               408
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<210> 9116
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-H6

<400> 9116

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caataaattg actaattgag tactcgttta aaggaagtga agagcggttt ttggtagtgt 120
gtggtcgaga aaagagagag tttgtctctg tgactcagag tgaaatcaat agagcgggaa 180
aagattgttg cttttttttt gccatgggag ttgatgagct gtctcacctc aaattctctc 240
ttctgctaga atcatcaacc tgcaatgatt tgtccggttt taagtctcta gttgaagang 300
aangtcttga naggattgnt ggntctgggt tgtggtatgg gaggagatta ggatcanggn 360
acatgggggt tttngggana gngatgcctc ntanngattt gctgcctttg tttgggaatn 420
caaaaaaggt                               430
```

<210> 9117
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-H7

<400> 9117

tgatactgtg gttgagcctt acaacgctac tctgtctgtc catcagcttg ttgagaatgc 60
tgatgagtg atggttcttg ataatgaggc cttgtacgat atttgcttca ggactctcaa 120
actcactacc cccagctttg gtgatttgaa ccacttgatt tctgctacta tgtctggtgt 180
gacttgctgt ctgaggttcc ctgtgtcaac tcaactctga cctccgaang cttgctgtga 240
atctcatccc attcccccggt cttcacttct tcatggtggg ttttgcctct ctcacctcaa 300
gaggttctca agcagtaccg ttccctcaca gtccttganc tcacccanca aatgtgggac 360
tcnaagaaca tgatgtgtgc ngcagaccca nggcacggnc nctacctcaa naggctccgg 420
cc 422

<210> 9118

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-H9

<400> 9118

gagctggtca ttcttctctg ttcatcacta gatgagactc cacctgaaca acaaaaccaa 60
ccaccacctc ctccacctcc tccacaaaat agcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnngtt tatatttgac gctgagggcg gtctggtgga tgagaaactc 240
ctcttctttg ctcaacaagc ccagaaacgt cgggggaaag ctggcagggc gaagaatgtc 300
atattctcaa gaagatagag gacgctacat aaagccaatg cttccaaagg gtccagtaaa 360
aagattagct gtggatgcaa cccttaagag cagctgcacc atanca 406

<210> 9119

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-128-Q1-E1-A1

<400> 9119

acgcgtccga tatgacgttc taagagacag aagacagaag atgaatctga ggagaccaa 60
gaagcaaatg caaagcaaag agaggctgat aagacaaagc tcctccttca taaaatccct 120
ctcaatgtcc cgtctcaana gttaaaagta gttattaccg ggcagttcac acttgaagtt 180
atgccacca aaagaaaagg acgttattac aatgcagttg ttacttttaa tangtccaga 240
agaagcanat aaagcatttg aaaaagttaa angagaagca gttaaggaga aaagtgggtt 300
tgggcacaaa aaatggttgc gtttaagctg agttcaagga tcaaggagct tgtttatacg 360
ttcgnaaaat gggttcaaga tgaatctgag ggagaccaa gagggcaaat gcanaccatt 420
gtgangatga tcattttaan agacttgga gaactgaa 458

<210> 9120
<211> 486
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-128-Q1-E1-A12
<400> 9120

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nctngggcgn acgcgtgggc ggacgcgtgg gcgacgcgt gggcggacgc gtgggatccc 120
ggcgccggag accggaagaa agaagaaagg tttgatccga gtgcacaacc accgttcaag 180
atcgagata taagggcggc gattcctaag cactgttggg ttaagagtcc tttgagatca 240
atgagttacg tcgtcagaga cattatcgcc gtcgcggctt tggccatcgc tgccgtgtat 300
gttgatagct ggttcctttg gcctctttat tgggccgccc aaggaacact tttctgggcc 360
atctttgttc tcggccacga ctgtggacat gggaagtttc tcaanacatt cctctactga 420
atagtgtggt tggtcacatt cttcattcct ttcactctcc gttccttacc aatgggttgg 480
gagaaa 486

<210> 9121
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-F9

<400> 9121

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ggaatgcggc gcaacgaagt agtagacaga acattgtttg gttaaatcgg aagcaatctg 120
gaaataataa cagatctctt cgtgttaatg gattattcgg aggcggaaaa aaggacaata 180
aagaggatgg acaatcaaag gcaggaattc taggtaacat gcagaatttg tatgagacag 240
tgaagaaagc tcaaattggtt gttcaagtag aggctgttag agtgcagaag gagcttgctg 300
ttgctgaatt tgatggttan tgtcaaggcg agcttgtaa ggttacatta tcaggtaacc 360
agcaaccant tcgcactgat atcactgatg caacaatgga gttaggttct gaaaaacttt 420
cactgctggt cacana 436

<210> 9122

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-D10

<400> 9122

tgttacgctt gccggtaccg gtccagaatt cccgggtcga cccacgcgtc cgcccacgcg 60
tccgaatcan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnecaa cagatctctc atctccttca cttgttgact 180
gtttatacca caggacaatg gctgacaaag atgaagcagc gacgcgtgga aatgattggg 240
aagttgtttc tcttactgct tcagcttacg ctgctgctcc tggtcctaaa ccagtagtgg 300
actcgaaaga tgatgatcac aaggaagtta ctcttggtta cgaagctgag acatctcatc 360
ccttatanat gtctccgcca ctttgttttc ccaccaactg gtcaagcttg agaatactag 420
tgaccttacc ggaggctagc ttaacggggg tccattgcaa gggaaaggga gtgnnttt 478

<210> 9123

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-D11

<400> 9123

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aaagtcccaa gccaagaagg ctgcttcaag cagtgatgag tcatctgatg actcttcttc 120
agatgatgaa cctgcaccca agaaggccgt tgctgctact aacggaactg ttgcaaagaa 180
gtctaaggat gactcatcat catctgatga tgattcttca gacgaggaag ttgctgtcac 240
caagaagccc gcagctgctg ctaaaaatgg ctctgtaaag gccaagaaag agagttcgtc 300
tgaagatgat tcatcttctg aagaagaacc tgcaagaaa cctgctgcta agattgccaa 360
gccagctgct aaggattctt catcctctga tgatgactca gatgaggatt ccgaggatga 420
gaaacctgct accaagaaag caactcctgc tgctgccaaa ngctgcaagc agctcanatt 480
catcaagat 489

<210> 9124

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-D2

<400> 9124

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gtanctgcta agaagaagac cgcgagagaaa gtttcaaacc ctctattcga agaggaggcc 120
taagcaattc ggtattggtg gagctttacc tcctaagaag gatctctctc gctacatcaa 180
atggcccaaa tccatccgtc ttcaaaggca aaagaggatc ctgaagcaga ggttgaaggt 240
ccctccaagc tcttaaccaa ttcaccanag actcttgaca agaatcttgc taccaagcct 300
cttcaaggtc cttctgaagt acaggccaga agacaaagct gccaagaaan gagcgtcttg 360
ttanngaang cccaagctga anctgangga aagccttctg agtctaagaa gccccattgt 420
ngtcaaatac gggctc 436

<210> 9125

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-D3

<400> 9125

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gccgtatcct tagaaaaacg atggatctac ggtgcaaaga gctcaattct cnaaccgggt 60
tttgattcga acgatttttg atcgacctga cggcggagct ggactcgccg gtcaaacgggt 120
tcgaatcggg ggttgggtaa aatccggaag agatcaaggg aaaanaacgt tttctttcct 180
tgcggttaac gatggatctt gtccagcgaa tcttcagggt atggtggatc cgtctctcta 240
tgatgtctct aacttgggtg ctacgggaac ttgtgtgact gttgatngag ttttgaagggt 300
tccaccgaaa ggtaaaggta cgcagcagca gattgagctt aacgttgtga aangtgattg 360
angttggaac ggtggatgcg tctaagtatc cacntcctaa gactnagttg actcttgaga 420
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<210> 9126
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-D4

<400> 9126

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cctagagctc ttcgtattgc tccgccacca tgcatatccg gcgccagatc ttcgttaaat 120
ctcctgactg tcaaaaagtc gtcgctctgc aattggatcc tgcgcaatct ctattaactc 180
tttcgggtat cacttcctta ctgcaatcgt cgcancgtat atcgttttcg gcntgctccg 240
attactctac atgggaagct tttgaatggc tctacacgga tccaagtatt cgaagcttcc 300
ctttctgtat ccatgctcan tccttttctt cgnctccggt ggangtggag gagatgggtg 360
ggcnancggg agccgaagtc tcgnca 386
```

<210> 9127
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-E8

<400> 9127

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tgctagcttc gttaagccta acacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngagtctcc ttcgcgatcc gcgccggtgc 180
ttactccgac gagcttggtta aaaccgcaa aagcattgca tcccctggga gaggtatctt 240
ggcgatcgat gagtccaatg caacctgtgg gaagaggctt gcttctatcg gcttggataa 300
caccgaggac aaccgtcagg cctacaggca acttctgctt accactcctg gcctcggcga 360
ttacatctct ggttccattc tcttcgang agactcttta ccaagtccac caanggacgg 420
taaa 424

<210> 9128
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-E9
<400> 9128

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ttcgggtgtag tggtgcttga gctgattact gggagaaaag ctattgattt aggtcaaaaag 120
caaggcgagc agaatcttgt tacttgggtca cgtccatacc tcaaggatca gaanaagttt 180
ggacatttag tggatccgtc tctacgagga aaatacccaa gacggtgttt aaactatgcg 240
attgcgatta ttgcaatgtg tcntaatgaa gaagctcatt atcgaccgtt cataggtgac 300
atagttgtgg cactagagta cttagccgca cagagcagat ctcatgaagc tcgaaacgtc 360
tcancaccgt caccaagaga tttcaagaac gccgccgacg agactgtaag aactcncaa 420
cagcttt 427

<210> 9129
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-F10
<400> 9129

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 ttctgctaca aatttggttc ttttttggtt gaatttggat aaaatcataa tctcctcttc 120
 aattttcttg tgaaatggaa agtttcagtg attgggaatc ctcaagcgag gatctgcaga 180
 gcagaattag cttacagaga gcttggattt agatttggct ctgatgtaat ctccggtgaa 240
 tcgagaaata gggttaagtt tctgcaacca aagctctaaa tggaaagana tcgcgatacg 300
 ttgctcttcg aagatctgtc aaatgtgaag ccatcgcttc cgatgacgct tctccgtttc 360
 tcaaatccac tccaaaatct aaaatcgctc gaagagtgn aattattgg ntggggcttc 420
 cgttaag 427

<210> 9130
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-F11
 <400> 9130

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 taataatcct cagcttctct ctcgctggat ttcaacattc ttccactcat cgcttctctt 120
 taccaaatca aactcaacac ttactcaac tcttatcgga ccttccaaac tatatccttc 180
 aatggatcta tggactcttc aattaaaaga cgtcacgatc cgaaacccta tcttctcatc 240
 atcgatccct gagaaatcat cgtcgttttc taggaaactt tgtgaattgg agtttaggtt 300
 tctcaatcgt aagggttctg cttctccgta tcgttccttg gttgttcgaa gctacctga 360
 agaagagtaa cgacgattct tcttctcctg gagatgcttc tcagganaac aaaccttcta 420
 acgggnaaca agtccggggg a 441

<210> 9131
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-F12
 <400> 9131

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 tgctctcca ccaagcacc ctcttcagtg ctgaatcttc aaagccatca tcatcgtaa 120
 accagaaaca agggatgtct gctgttttcc agcaactcag ctcggtgct gtgacctcag 180
 gtcttagaaa agtgacggat gatatgaaga caaagaaccg tgctgataga tctggagctg 240
 ttagtgcggt tgagaaggaa actcgtacca gtaaaccggc cttttcgaaa actggaccac 300
 cgaaaatgga acttcaaagtg ggtcgcaagt gggctgttga gaaccaaatt ggaagaagg 360
 acttggttat cagcgagtgt gattccaaac agtctgtgta catatatggt tgcaaagatt 420
 ctgtcttgca aatacaaggg aaagttgaat aacatcacca attgacaaat tgcacgaaaa 480
 gtgggt 486

<210> 9132
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-F5
 <400> 9132

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 gatgattcca caaccacct acntcctcta cctcgccgtg cttcnaaatt cgacagcttt 180
 ttcactcaac tctactcagt caatctcgct tcttctaacg aactcatctg caaagacttc 240
 ttctctatc ancaaactcn gtentttcgg tcttttcgct acttcaacag ctcagatcna 300
 tgattcagnc atnccttct aatgacgctg ttctgggtg ttcttccat tgataaagat 360
 tactttcgta cttctcgat tagatgntgg ngttgttctt gatgagaggg tttttcntca 420
 tgatgtcg 428

<210> 9133
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-F7

<400> 9133

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aaaaagctgg ttangataag aatgtggctg agcaagaaaa gacttctctg tggagcaaac 120
cgggtgttcac gtccactgaa gtgtacgcta aagtatttac tctacaagac aaggtcacaa 180
aggtgaataa gatcccaaag ccaaagccaa agatagagaa agtaaccaag gacggagAAC 240
acaacanagg aggaggaaca atcaaaatcc tctgatgaag ctgccanaga agaagaaagt 300
cacgacgagc tttgattaag gatataataa aaataagagt tttcgtaaat ttttgtgttt 360
ttaagaggga aaatagnat tanaagtagg cagctganat gagcanaagg attttattcc 420

<210> 9134

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 9134

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acacgcangt tcttcaagaa aagctgttgt atcgagcgta cgagccactt cttcagctga 180
tttcacagag aaccgctcta gcagagttgt cccaagcaat ggccggtcct caaccgctca 240
gaggactcag ctgctccctg acccaaccac tagaccgtca tcttcttctt ttacccgagc 300
tgcgccgtcg aggactgctc gtgacatcac gctccagagc tttgagcnac tcaccatagg 360
ggaatggaaa ggaggaagtg agangcttgg gctttatcgt ggagccgtgt tngggggac 419

<210> 9135

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-D1

<400> 9135

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tctaaacttt ttgcaganga gcanaagatt cantaatga gattgatctc aaaaacccaaa 120
gctctcgtgc tcttgctggt gatgttggt gtgtagactt tgtatacaat gatgaaaagt 180
ttggngaagt ctgttgagc naagacggcg agggcttgcg acagctgct gaagagacgt 240
gcacggtggt actgcgcggc cgacgatgct tttctttgcc antcttgca cagtttggtc 300
cantcagcaa accctcttgc tcgccgccac gaagagagtc cgtttgaaga cggctatccc 360
ggcggtcgtt aaaccatanc anccactcat cagcttctcc tccacatgan gtcgccacgt 420
gggcaatcac gggtttactc gtaaagctcc gaacnccacg tggtctggt 470

<210> 9136
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-A3
<400> 9136

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gtcacggcca agcgaagctt accgtatctt accctccggt ggcaccttt catctggatt 180
ccatcaatgt cttttatcgt ctctatcttt cgttctctt ttcgtgtgtt gctcctctc 240
cacatctgga cgtccgatt caaatcccg atcatcttca aatcgctctt acagccgtag 300
atggcagaat cctcttcccc ggcgtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc 480
caatg 485

<210> 9137
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-A9
<400> 9137

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 atttctctca ccaaccctaa tttcccaaaa tttggtaata cgatttcgtc aatttacttc 180
 gcaatcgatt caattcaatt atgtctctat tactggaaga gatcattaga tcagtagagg 240
 ctttgctgaa gtcagaaat cggaatcagg aaccctatgt tgaccggaat ctaaaccggg 300
 ttcttctagt tccaggaatc gctgggntca attctaaacg ccgttgatca tgagaacggg 360
 aacgaagaac gtgtttgggt taaggatctt tgggtcngat caatgagttt ccgaacaaag 420
 atgtgggccc gaatttggtc cttcaacngg g 451

<210> 9138
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-B10
 <400> 9138

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 tggaaaggct ttcgaactat gctgcatcca gtgtggaagc attgcctaatt ttcttgcaag 180
 tagaagcctt ttcaaagtta aattatgcca ttgggaagggt tgtagaagca caggcgggact 240
 tgccggccgc agcatctgta acattgtatt tgtttcttct aaaattcact ctccatgtct 300
 attccgatcg tctggactat gtggaccaag ttttggata acgctttctg aggatggatc 360
 atgtgttact caactatctg ccacaggaaa gctttgtgat gacaaggcag caaaacaaga 420
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 g 481

<210> 9139
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-127-Q1-E1-B11

<400> 9139

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ccgataggat actgtgcaag ttctttgtcc atggctcgtg cttgaaaggc gaaaattgcg 120
aattttccca tgactctaag gatccgccca ataatgtttg cacattctat cagaaacgaa 180
tatgtttgta cggaagtaga tgtagatacg atcatgtcag agctgcttcc aatcttcctc 240
ttagctcaga ttctgagtct ttagatcgct ctatatccac caccctctct aggcatttgc 300
aacaacaagg cgataataat gacggtgaca aatcctctaa cgtttactgt atccacccta 360
gagagtaccc gatctgctct tttgctgcag ctggtgattg ccctcgaggt aaccangtgt 420
ccacatatgc atgggtgacc tctgcanta ctgtggcaaa aantgttttg catccctttt 480
aganc 485

<210> 9140

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-B12

<400> 9140

acgggtccgc ctatggcttg tttctcggtt gggaccggct catgagctgt cttctcttaa 60
cgggtggttct caagagtcac caccaactac tactacatct cttaagctan tgtcggggtc 120
atgttatctc ccgcatcctg aaaaggaagc tacagggtgga gaagacgctc actttatctg 180
cgatgaagaa caagctattg gagttgcaga tggagttggc ggttgggctg aggttggtgt 240
taatgcggga ctgttttcgc gtgagcttat gtcttattca gtatctgcaa ttcaagaaca 300
agcataaagg ttcttctatc gaccctttag tgggtgttang aagaaagcac attctcaaac 360
caaagccaaa ggctcctcca cggcttgat catcgtttta aaagataagg gattacacgc 420
cattaatctc gggagacagt g 441

<210> 9141

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-B2

<400> 9141

ggtcatcact gaaaagagct taaaccagag agatctgata agagaaattt tagagtctct 60
ctgcttcaac aagatctaca tcgaccagga gattagaaag aatcatgggt tctaagcata 120
accacaccagg gaataacaga tcgagaagta cactatctct actcgttggtg gttggtttat 180
gttgtttctt ctatcttctt ggagcatggc aaaagagtgg gtttggtaaa ngagatagca 240
tagctatgga gattacaaag caagcgcagt gtactgacat tgtcacngat cttgattttg 300
aacctcatca caacacagtg aagatccac ataaagctga tcccaaacct gtttctttca 360
naccgtgtgn tgtgaagctc aangantaca cgccttgctca angagcc 407

<210> 9142
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-B4

<400> 9142

gtcnatgccg agcanacttc ttccagtcct agtctgctan gtttttcttt tcccctttgc 60
atcatcatcn gattattctg gggatatctt tccatcttcg tcgcctaaag tctcgggtggg 120
cctgtactac gagtctctct gtccctactg ctcttcttct attgtnaacc acctcgcgaa 180
gctcttcgan gacgatctca tatcaatcgt cnatctccat ctctctccgt ggggcaatac 240
naanctcngt tccganaacg tcaactgcngt ttgccatgca tggggcattt gaatgcttct 300
tggataccgt agaantctgt gcaattgatg cttgngctaa agtaagcgat canttcccgt 360
tcatatactg ngtcgaaaag tnggggactg gnggatnata tgaccaagtg ggagacngt 420
tatg 424

<210> 9143
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-B5

<400> 9143

acgcgtccga aaangnnaaa aatttaggac cgggtgggtt gaagtttgag gtgttcaacg 60
gaagtgtctc ttctttgttc tctactacat attcatggac aaagatggca aacattatat 120
tcttgatca gccagtagga tctggcttct cctactcaaa aactccaatt gataaaactg 180
gtgacataag tgaagtaaag aggacccatg agtttcttca aagtggctaa gcaggcatcc 240
acaatatttc tccaaccctt tatatgtagt tggagattct tattccggtg tgattgtccc 300
ggccctcggt caagaaatct cacaaggaaa ttatatatgt tgcgaanctc ctataaatct 360
acanggttan atggcntgga aaaccctggt aacatataan ggactttgaa acaaaaactc 420
cngc 424

<210> 9144

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-B9

<400> 9144

tttacgccgn ccgtaccggt ccnnaaattc nccgggtcgac ccacgcgtcc gnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnccg gaagcagcat ttccactgga 120
gctgcaaaat ctctctatca aaattataga tcgatccaag ttttagattc gagaattatt 180
ttctccaaat tagatttata tatcaaaagg aatcgaaaat agacagcaat ttttgttttg 240
tcggatcgta ttgaatcagc tgtgaatttt agcgccaatt taaccactga atcgtttgat 300
tagaagctaa gatttgggtc tacgatcgat ctaagtaggg ttcttcttct taagtgtgtg 360
ttttgttaaa attagtaaag agagatggag aagaagaaag tcgcgactcc gctaagtgtg 420
ccatggccat tcgagacctg ttgtggattg ttctacagtc caaacactcc cgaagggttc 480
ctc 483

<210> 9145

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-C10

<400> 9145

acgcgtccgt ctactctct cgctacatgg agagtctctc gattcccgcc gtttcttggg 60
tttccggcgg aaccattcct ccgacgaagg tgagagtctt tccgccgcat catctccggc 120
gacctcccaa caggaattcn catcgcttgg ccgccattaa tgccgcttct cgctctgtga 180
gtgagctant gnangaggat gtgttgcaaa tgttcatgaa aganagagaa gaanatggag 240
atttcatatc naaagtttct gataggcnct ggttaaagga gattctcgaa tctattgatg 300
ttaattccaa nggagcttct tcntcagctg ttganctana tgannctccg gaaaagcttg 360
acacatggng cctnatgatg atgaaagtgg tnccttga 397

<210> 9146
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-C11

<400> 9146

ctgttacggt tgccggggccc ggtccanaat nnacgggtcg acccacgccg tccggttcaa 60
tctgatttta tatgatctca tcattgtctt tgactttggt tgttttagctt ctttctttcc 120
tagactgggt tggctgggtc acatgggacg ctttctacac agatgtgact gccgaggggtg 180
ttgatgaagg ccttaaaagt ctttctgaag gaggtacccc tccgaagttt ctgatcatag 240
acgatgggtg gcaacaaata gaaaacaaag agaaagatga aaactgctgt gttcaggaag 300
gagcacagtt tgctactagg cttgttggtg tcaaggagaa tgcaaaattt caagaagagt 360
gatcagaagg atacgcaagt gtcaggacta aagagtgtag ttgacaatgc gaagcagcgc 420
cataatgtga agcaagttta tgcattgggca tgctttaact ggatactggg ggtggagtta 480
aaaccnc 488

<210> 9147
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-C12

<400> 9147

ccttgcncta ccggtccgan aattcccggg tcgaccacg cgtccgatct ttgccgagtg 60
ggaaaatttc cgggtgaagcc gtcccagtg actcgggctc ttgcccggtg tctttcagct 120
tcaatagtg agataaccgg tttatgtcga gcaaaccag cttccataag tgggtgttgac 180
tggtttttat cttttttcca agtcaatcgg attattatcg attgctttac ttcttttcca 240
tggttttctt caataatttc taaaaatctg agttggtaat taagttttaa gtgccaaagt 300
atttaaaatt aaatgtctcc gggcttttgg gtttaanaac ccnaatttg caaaaaaatc 360
ngtcaaacna attacaaccg gggtttgaaa gaatggaagg gtnaatcccg nncctaatan 420
ggatcncct taagccgtct aaantccctt ggggangcnc ccancacaaa ccaaatccgg 480
ggggggnaaa caaa 494

<210> 9148
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-127-Q1-E1-C4

<400> 9148

acgcgtccga gcgagcttgt ccgatttgta agcacgagac ggaaccatgt tgtgcggagg 60
ctcacgtgtc ttgcagcatt tgtccgacca caatcatcat aattcgattg gtttaggatt 120
agggttttgt ggtgctaaga ttgtgcagct ctcttcattc tttctcaggc cttctcaggc 180
tatggcgaag agtcatcatt tcagccgtaa attgcgtcag cggatgattt cttcatttgg 240
gtctcattgc agaacatccg gagaagtccc aattcttcac aattgtttca gccaacgaga 300
agatgatcct gagcttccaa gttgaagggt tatctccagt gtcaggaggc attgttgctc 360
tagggaagtt tgatgcctta catatcggcc atcngagagc ttacaattca agcttcaaga 420
atttggggct ccatgtatta a 441

<210> 9149
<211> 440
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-C8

<400> 9149

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acgcgtccgc gaaaccactc aaccaaaaaa ctagggttct gtttctcgtc tctctctcaa 60
accacattg cacaatccat ttctcgtttc tctgatttag atccaaagat ggatgggatg 120
aagctttcgt tcccaccgga aagtcacca ctttcagtca tcgttgctct tctctctca 180
gcttctccgg tgacgattga ttcttcggcc gctgcaacaa ccgtcccttc ttttgtcttc 240
tccgacggga ggaaattgaa tggagccacc gttcttcttc gctatggttg tcgatcagcg 300
aaaaagcttc ctgatttcta tggcaacaat gcttttgant cttctcaaga ttgatgaagt 360
gggtagatta cgcacctgt cntctcttct gggttcaaga gtttgagaat gcgtgtgggt 420
cgtgttgata agtatctcga 440
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<210> 9150

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-127-Q1-E1-A11

<400> 9150

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acgcgtccgc aaaacgttac tcttctctct cattctcttt cgcttctcga tagcttctca 60
aatcatggtt cagcaaatat gggagacgtt gaaggaaaca atcacagctt aactggact 120
ttctccanct gcgtttttca ccgtacttgc tctcgctttc gccgtttacc aagtcgtctc 180
cggtttcttc gtttctctg aagttcaccg acctcgcttct ttggaggntc agcctcaatc 240
ggagcctctt ccaccgccgg ttcagctcgg agaaatcact gaggaggagc ttaagcttta 300
tgatggctcc gattctaaaa agncccttcn tatggcgatn aaaggccana tntatgantg 360
tttctcagan caggatgttt tatnggacca agtgggcca aagctctgtt ttgaaggga 420
aagatnca 428
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<210> 9151

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-A2

<400> 9151

aaaacaaaag gagttataca gagagaaaac gtgaatacga gaagatcact gtacttattg 60
ggttttgatc tttgatggct cactgagtc caagagtagt ggtgaagggtg gatttgaaga 120
agaagccatg gcagcaggac cagccattgc acaatagatg gcatccggag ataccaccan 180
gtagcanagg tcaaggctgg tgagtttttc cgggtagaaa tgattgatgc aatgggaggt 240
gttatcaaag acaatgactc tgcaagcgat atcaacaacc tantcctaac tactactcat 300
cacctaagtg ggccgattan ggtgtacat gaggaangtg ttgcagctaa agcatgtgat 360
cttcttgccg ttgngatatg caactttggg tcntcttcca aggagatgaa tggggganc 420
actg 424

<210> 9152

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-A7

<400> 9152

ctctctctct ttcctcctct gcacatttct gggttcttct cttcttatgc tctgtttctt 60
ttaagacaca gaagaaacag tacagagttg agattttctt aaacaaaagt gaaaagagaa 120
gaaacaagtg acagctcaaa cggacaaaaa ccactcttgg gtctttcttg cttctgattc 180
tttctcttct ctaatagaag aaaacatcta gaagctaaaa aaatgtcgga aggagtagaa 240
gcgatagtaa gcaaatgaca acggaacaga tcaggtaaac ggaaaccgta cggggaaga 300
taacgaagaa cacgacggct ccaccggttc taacctaagc aatttntctaa ggcacgggtg 360
ctctgtctgg gacgcctggg tcagctgctc atcnaaccaa agttgggtca aggtggtaat 420
ggacatt 427

<210> 9153

<211> 496

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-B1

<400> 9153

gaactgtnta cgccgcccgn nnttcccaag tgcaccacg cgtccgttct agtcaacgga 60
gctaaacgtg gttgttcagg ctggggatat ggtaaagacc ctgcctttgc tcccctcttg 120
tacaagcccc atgctgcacg tggcaagcgt ttcagacagc tcaagcccac caccatccca 180
cgtatgtacc actccagcgc catcattctt ccacacggta aggttcttgt cggtggnagc 240
aacaccancg anggttacaa gtacaacgtt gagttccan cggagcttcg cgttngagaa 300
nttctcccca gcttacctcg agccgggctc tagccaacat aacggncaaa gatcgtcacc 360
accggcacc ccaancangt cataatacgg acaagtcttc aacngtgana ggtcgaccct 420
taaaggaaaa tgggaggcaa accanagggg aaatctcaaa nggtaccatg ttaggcccct 480
ggccttgaca anaaaa 496

<210> 9154

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-B2

<400> 9154

gtttgcaaga gaaagatagg ctaccaagt atgtttgcaa acctgtcaga tcaaagtgtc 60
cgatgaatgc agatagttct gattcttcaa ggaggcttgt tccagtttcc cgtgagctgg 120
agaagcctgt ttgcaaagat actcacatgg ggagacatgg tgtaaaatct gcattagatg 180
gtgaaagtct tcgtttatca aagcaagaaa aaccaaagcg tatgaatgaa ataagcgcac 240
ccaaagaaga gaatgcggna caatctttgg gcgttgatc tgcgtctaat tgcggaaagt 300
caaagatcaa aggcgtctca ctgattgagc tgttcaactc agagcaagta gaggagcata 360
tccgcggtct tcgtcagtgg gtaggccaag agtaaaa 397

<210> 9155

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-C11

<400> 9155

gttaccttgc cgtncgggtc cgaaattcac gggtcgaccc acgcgtccgc ncacgcgtcc 60
gatcagaatc cttacaagac catttgtgtc tgtctccacc aaacccttct tttctccatt 120
tttctttttt gctttgtttc nggtgtacga tttgtcaaaa aaaagaaacc caaatcaaaa 180
gcttcgaaat ttcataagat ttctttgttt ttctgaagat ccaaggcaca cagaaaaaca 240
gctttttttg tttcttcaat caangatttt ccagggtttt gataacccca tgggttcagg 300
gttctctctg tttcanaaga atttatcgtc ttgttatggg agatcganga tctgttcgag 360
cctgggntta agagaatttg cctgaaagtt gtgtggcttt gattctcaa gaatttggat 420
tcccgttgan atcgtacaat ctccaagcta nacacgggtt ttcaagggcg cttctnnggc 480
tgaattccgt ttgggnaacc 500

<210> 9156

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-C3

<400> 9156

acgcgtgggc tttcttcatt caaagagcaa aactatctaa ttccatggcg ttctccctcc 60
tctctccaat tctacctct gcctctcttt ttttactct ctccgccatt accgcttcta 120
ataatgcttc ctctctctct ctctcccgtc ttactcttt atatcanccc aaaggaacct 180
tacgaaccag gaaccgagac ctcgtttttc ggagcttctg ggaacttgag gattgtttcc 240
atggcggaga ataggcaatt ggtttgtacg attggtggcc ggaagccggt gntgaattgg 300
atgatatgga tnaaggtgaa anccaggagg attggaaatg aagacgaang acgacgnnga 360
nttnagacan ntccaagcgn antantttccc cctggntgnt tncgcctgga gaagattggg 420
atgttttttg ggtctccg 438

<210> 9157

<211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-125-Q1-E1-D2

<400> 9157

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aatccagac aaggagcttc agaaagagct gaaatcgagt tataaagcac ttgatgatga 60
tcagaagagc gtatttctgg acatagcatg ttttttcagg tcagagaaaag cagattttgt 120
ttcaagcatt ctgaaatcag acgacattga tgctaaagat gtgatgagag aacttgagga 180
gaagtgcctt gtaaccattt cttacgatag gattgagatg catgatctat tgcattgcaat 240
ggggaaggaa attggaaaag aaaaatccat cagaaaggca ggcgaacgtc gtaggttgtg 300
ggaaccacaa agatattcgt gatatcctgg agcataacac gggcactgaa tgtgttanga 360
ggcatcttct tgaacatgct tgaagtcaga aggaatcang ctttttcctg ctgctttcac 420
ga 422
  
```

<210> 9158
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-125-Q1-E1-D5

<400> 9158

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aatattgaag aaagtttctc tgatatttgt tanatggaag aagattgcga gtttcgacat 60
tgggatgagt tgattccaga tgctcttggg ttaatcttta gccacttacc tcttcaagaa 120
gtactaacag tgggtgcctag agtttgcaaa gcatggaaca gagctgttac tggaccttan 180
tgttggcaag agattgacat tgagctgtgg agtaaccgtt ttcaccagtc tgatcatctt 240
gaccggatgc ttgagatggt atccctagaa gcgcnggctc tttgcganaa ctctccgnta 300
ctgggcttcn naaatgactc cnaanncgtn ccttcatttg cacaacatgn ntgggttact 360
taagaccttg gaangtgnca acaangtgng nccggacnaa ttccgggtgg tgg 413
  
```

<210> 9159
 <211> 343
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-E3

<400> 9159

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atTTTTtTgT ggagcttgat ctgatccgta aagatgttgg tgattgtgag atacttgaga 120
tcatttttaa atattgtcga cctaaagtga acgtacatag aggatccatt atcaaagtcg 180
caccaccgat caaggatcat caagtttatg ctttcataaa acgtggccaa gagttgagtt 240
tagcgataan gttcctagat gataagcgca agaccaattc atcaaaatcg attcacatct 300
catgtcangt cctcgggcac ataggtaaga gaatncgatg cat 343

<210> 9160

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-E7

<400> 9160

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tcatctctct tcaaacccta ttcaatttta actatcgatc ttcggctaag tctccaatgg 120
cggcgggcgtt tgctctctct cccacattta gtgtcgtcaa ttcctccaga tttcccagaa 180
gaagaatcgg tttttcttgc tccaaaaagc ccctcgaagt tcgttggtct tccggcaata 240
ctcgttacac taagcaagaa gaggggcatt tacatcactg aangaatgtg ngatttcatt 300
aggctttatc ggttggttta atggtttcag tancctcgat tgctttgcct cccaatgctc 360
agngcaggtg gcgaaggcca gtgnttnnag atgtttcaag tgttgatctc cggnccgctc 420
g 421

<210> 9161

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-125-Q1-E1-F7

<400> 9161

actggaaaga gtaaaggaag gaaaaaacgg aattttgacg atggatgcag agatattcca 60
agtgacgccg acgtttcacc tgggtggaagt gaagaaatgt aatggagata caatggagta 120
tcagaagtta gtggaggagg atcttaggcc tgctttggca gatattgttt gggtttggca 180
aggcgagaag gagaaagagg agcagttact gcaggatgaa caaggagagc aagaaccatc 240
atagcaagtt cagctacaag cctacaactg caagcacatg aattgttgca ggaacatgaa 300
aatggtaacc ctcttgcgac ttcagctgaa ncagaagcaa gcatcaagaa actctaacga 360
agnacagagga angaangcaa tangcaagtg cacaaanatg gatt 404

<210> 9162

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-126-Q1-E1-A10

<400> 9162

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tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngta cctatggcgg ctgccgaaa tgggtctttcc cggcggagac 180
atagagccgg aagtttcaga gattcaccag aggaggaagg tccgggtggag ttaccggagg 240
cggcgagggt gagagatcga ggagggagta atannnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntcggttaaa tagccggagt 360
aaacggcgga caggagaacg cttaatgatg gttcacggtt aatctagang acggttgca 419

<210> 9163

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-126-Q1-E1-A11

<400> 9163

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gaagaaggct gttgatcctt tctccaagaa agattggtat gatgttaang ctccttcaat 120
cttcactcac aggaatgttg gaaagacact tgtttccata actcanggta ccaaaattgc 180
ctcagaaggc ttgaaacaca gantttttga ggtttctctt gcngatcttc angttgatga 240
ggataacgct tacangaaga tccgtctcaa agctgaagat gtccagggca agaacgttct 300
gtgccaattc tggggcatgg acctcaacaa ccgattaact taagtcattg gtttaagaaa 360
ttgcaaactt tgattgaagg ccatgttgat gttaaancec ancggaant nanactccca 420
aggcnattcc cggtat 436

<210> 9164
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-126-Q1-E1-A2
<400> 9164

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atagcttctg gtatcggcgt tctcganctt ccttgtttgc gtctgttacc aatctcaagc 180
anncaaattc agtttctcan tgttgaanct aganaacant ctagaagaat aagacgcgag 240
cgctccttca gcccttttcc aagtacttat tcaatcgaac cgctcgtctc gtcattggtt 300
ctcagagctc aattcgagtt ttgatcggtc caacagtgga gaaactggtt ccgataccac 360
tcttaaanat ggtgaanaag tgaggagtga aanctcttca ggtggttggtg atagctatgt 420
gggcttgttt gtgggaatgc tcggtttgga caacgattct cctgataagn gancaagcga 480
aagggacncc atggga 496

<210> 9165
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-H8
<400> 9165

acgcgtccgc tgggtttgaa tcaagaagca aatacttgtt tggtaaagtc tctatccaga 60
 ttaagcttgt tgaggggtgat tcagcaggaa cagtcactgc tttctacatg tcttcagatg 120
 gtccgaacca caacgaattc gattttgagt tcttagggaa cactaccggc gagccttaca 180
 tagtccagac caatatctac gtgaacggag ttggaaacag agaacaaaga ctcaaccttt 240
 gggttcgatcc caccactgag tttcacactt actcaatcct ctggagtaaa cgcagtgttg 300
 tattcatggt agacgaaaca ccgattcgag ttcagaanaa tcttgaagag aaaggtatcc 360
 catttgctaa agatnaagca atgggtgtta cagctccatt tggaatgcag atgattgggg 420
 ctacacaagg angtcctgtt aaaactgant ggagt 455

<210> 9168
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-D6
 <400> 9168

acgcgtccgc aantttatct cncaaaagac aaancacaan aaaatggctt ccantgctct 60
 ctcaagcgcc atcgctcgaa cttcattcat ccgctgttcc ccagctccaa tcagtctccg 120
 ttcncttcca tcagccaaca cacaatccct cttcgggtctc aaatcaggca cngctcgtgg 180
 tggacgtgtc acagccatgg ctacatacan ggtcaagttc atcacaccag aangtgagct 240
 agaggttgag tgtgacgacg acntctacgt tcttgatgct gctgaggang ctggaatcga 300
 tttgcentac tentgcegtg ctggttctntg ttcganctgt gctggtaaag ttgtgtctgg 360
 gatcggttga tcagtctgac nacagtttcc ttgatgatna acagattggg gaatgggttg 420
 tnncaacntn ngcggcgtag cctaactccg natgttaa 458

<210> 9169
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-D7
 <400> 9169

acgcgtccgg tttgaatctt ggagggatgg gttgcagtgc cggagttata gctgttgatg 60
 tcgctaaggg attactacan gttcatagga acacttatgc tacttgtagt aatcacagag 120
 aacatcactc agaacttata cttggggaaa atcaaatcaa tgctactcac aaactgtttg 180
 ttccgcgttg gtggtgctgc ggttctgctt tcacacagat ctatagaccg taaccgcgcc 240
 aaatacgagc ttgttcacac cgtacggatn cataccggat cagatgagag gtcgttcgaa 300
 ngtgcgacac angaagagga tgaanatggg atnantggag ttaccttgac atagantcna 360
 nctatgggtg ctgcaaggac tcttaagata aatatcgcaa ctttgggtcn tcntgtacnt 420
 ccattnanan agaagctagc cttccttaac tactttt 457

<210> 9170
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-E1
 <400> 9170

acgcgtccgc tcttcttaaa cccannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnntggatct tctctttctc tttttctctc ttctcctctc 120
 ttacctcttt ttcaagatct ggaaactcat agacncaaag caagacaaag attgctacat 180
 ttanactac caatgtcata aaccaaccga cgategaatg gtgagcactc aattcagtgg 240
 agagatcatt tatcgaaacc aaaaccttgg tttaaccgaa tacaagttcc ttctcaaagc 300
 catantaagc tcagggattg ggtgaacaaa cctacgtctc aagacttgtc tttgaaggtc 360
 gagaagagcg tccttccggtt acaagatggg atctcccag atggaagagt tctaccgtgg 420
 acaagcaatc gggnaaaaact cctgggagaa gaaaatcaaa ntttctcct 469

<210> 9171
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-E6
 <400> 9171

acgcgtccgc gaaattgcct tggttantatc ggggtgcgacg attgtggacc anattgttac 60
aataacgagc tgaaaactat gttcagagggc gtgagacaca ggaagtaaga atgttggaca 120
acgcgatgcc tcttggctctt caagagagta ctacacagac taaaacgaac atggatggta 180
atagtagagc atacgttagc atcagcacia gatgtgggtg caanggtttt ggcaaaaggg 240
tctgctcttg gacaanatgc agtgaataaa gccaaaggctt tcgacnaaan gcaccaatta 300
agagccaatg cttctgctaa agtttcatct ttgacaagc gagttggctt tactgagaan 360
ttatctgttg gtatttctgc tggttaatgan anagttaa atctgtgatca aaagcttcaa 420
agtctncgat aagactatng caagcaatat tt 452

<210> 9172
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-E7
<400> 9172

acgcgtccgg tcttctcatc tcttacaaga ctgtttttgt gttcantttt gactanatat 60
ggaagtgggt gctgttgggt caatgaagac gcaaanacan gagacatggg cttgctctgt 120
cantgagtct tttctctctc tcgtcggaag gaactctggt tgtcttctcc ttgtggcaga 180
atcattactg anaggtttgg ttgctgttga ccagaggttg tctgtcaagg agggttacan 240
aanaggaagc cgtattgagg aaaacaaana tgctagtgc agtgacnatg acgacgatga 300
tgaagacgct gatnaggact acgatgatga ggatgatgct aatgatgaag atttctcagg 360
gggtgaangg ggatgaaggg gaagaaagaa gctgattcan aaggatgatc tgtgaccant 420
ggcgggagga gggaancgna tgatgaaaga tgacgatgcn 460

<210> 9173
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-F5
<400> 9173

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 cggaaaagca aatgtccgtt aacgacagta tcgacctcgc gttcgtattc cacgttgaag 120
 atgaatcttt gcgtttccgt gtgggagatt caggtactaa gatccgggag ctcgaaaccg 180
 tcggcgatcg ccatttcaga acccagcaag gtttctgcgg aaatanaatt gagaaagatg 240
 aaaccatgta ttccgatgga gatgatgaan agtacgacgt ttctatccna agacgaactg 300
 ctctgattca gcctgggtatt gattccggta acaattatga ttctngctgca gctgaagaaa 360
 ccaanagaga aagtaaaaat ccagttgggt gggaactggg tgtganagaa gatggggaan 420
 gtattcaacg attgatcanc atgaaatgga attt 454

<210> 9174
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-F8
 <400> 9174

acgcgtccgc ccacgcgtcc gaatttttgc aaaagcaacg taccatctt atcattattt 60
 tataaagatc ctatgtctat ccgtaaattg actaatcttt agacacacag agaataataat 120
 gagtttgaaa ataaagtttc tgcttctgct tgtcttgat catcatgttg attctgcctc 180
 tategtcaag tttcttctg gttttgaagg ccctcttctt ttogaacttg aaaccggggt 240
 tgtaattttt tttttttttt aaccaatgca tttatttggt tatgtaaaca agcattcttc 300
 ttaatgaagg tacattggta ttggtgagga cgagaatgtg caatttttct actatttcat 360
 caaatctgaa aacaatccan aagaagatcc tcttcttata tggttaaaat ggaggacctg 420
 gatgttcgtg gtcctgggtg ggtaatantt ttggagaaag g 461

<210> 9175
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-G5
 <400> 9175

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tcaacatgcg cctcnactcc gtccaagaca cgaaggctct ttttcttctt cttcttccatc 120
agccagacct acagctctcg ccgttctatt aggacggatc accggccacc gagcaccgtc 180
gatgctgggt agagaaacag cggcgcgtgc tctcgaggag agacgaatcg attgggggtta 240
ctcgaagcct gtagttgctg ctgatatact atggaacgct gctttagttc ttgcgtcagc 300
ggttatgctt gtcggtagcg ttgaagaaag acctaatgaa ccgattangg tttggatctg 360
tgtgtatggg ttacagtgtt tgttccatgt gggtttgggt ttgggtctgag tattggagaa 420
gaanctcaac tcgtagagct atggaattgg ant 453

<210> 9176
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-G6
<400> 9176

acgcgtccgc aacngcanca tcttctccc ttgtgcgana tcgtttgcgt gngatttgtc 60
tgaaaagtag cgaaccatgg gtaaagagaa ctttcanatc aanattgngg tcattggcca 120
cgtcgattct ggaaagtcga canccactgg acaattgatc tacantcttg ggtggtattg 180
acaatgcgtg tgateganag gttcgagaag gacgctgctt gagatgaaca ngangtcctt 240
caantacgca tgggtgttgg acancactta aggtgatcgt tgagcgtngt accaccattg 300
acattgctct ctggaagtgc gagaccacca cgtactactg cactgtcatt gatgctcctg 360
gtcatcgtga tttcatcaag aacatgatca ctnggtacct cccatcactg antgnnctgt 420
ccttancatt gactccaaca ctggtggttt tgaagcnggt at 462

<210> 9177
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-G7
<400> 9177

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 ttgcctcca tgaatctcct caggacnatt cattacnagt ctannattan tcgattttan 120
 tgttttgccc ctacangcnc ctttgcttct tctgtgtcac tctctccaca gagacacata 180
 atctctctcg tttctagcnc taatcgtgga aggtgcttcg cattctcgag cgtctctggg 240
 gcttcgcttt ataatactca agaggatggg aagaaagaag agtcnanaag aaattacgct 300
 tcgacgangg aaggagatga agtgggtttac caagaaaacg ctganattag tagaatgtgc 360
 catgttcgct gctgtgacag gcctcgttta ctttcncaag caattcgctc gccanttgat 420
 aacnactttg ggtgtttcct ctcactngca attggg 456

<210> 9178
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-H6
 <400> 9178

tttccttggg ccgtaccggt ccgaaattcc cgggtcgacc cacgcgtccg cggacgcgtg 60
 ggtggcatcc gganatacca ccagtagcan aggtcaagge tggtganttt ttccgggtan 120
 aaatgattga tgcaatggga ggtgttatca aagacaatga ctctgcaagc gatatcaaga 180
 acctagtcct aactactact catcacctaa gtggggccgat taggggttgta gatgaggaan 240
 gtgttcgagc taaagcatgt gatcttcttg ctgttgagat atgcaacttg ggtcctcttc 300
 caggagatga atggggattc actgggttcgt ttgatagaga naatgggtggc gggttcttga 360
 ctgaccatth cccttgtgcy accaaancta tttggtactt tgaagggatc tatgcctact 420
 ctctcanat tcctgnagta ngatttccgg gtttgacaca cccaggagtc attgggcact 480
 gcacatccan tgaact 496

<210> 9179
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-124-Q1-E2-D1

<400> 9179

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aatcgaagaa ctctctcgaa attaggactt ctctctgctt ttgttggttc ctagagattt 120
tcctagaacg tggccaaga aaatcacaca aaaagggttca ttcttttttt cttaccagaa 180
accacaaatc aaaatcatct cccctgtctt tgtttgaaat ctctcaaatt taagaaggat 240
catccattca ctaacctgag attttgata ggtttcatct atttcagggtg ggaattccag 300
tgcacgacc atgatcaaca cctaaaacta caaattgacc cgttttgccc ttggggaatc 360
actataaatg tcgagaaaga acaagactcc caacgttggg caancgtggg ccgccaaccg 420
tgggctggcc aacgtttcct ccncttca atttccccg ccnaatnttt gaaatcgaac 480
ggtt 484

<210> 9180

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E1-G2

<400> 9180

acgcgtccgc ggacgcgtgg gttatccttt taccctcatc atcctccact atttacagtt 60
ttgccactct gactttatgc tagcttcttc cggtgactgg cgataacacg agagagcctt 120
cgccttctcc aagcttcata ctctccgac gataaagatt agaagacatg aagaacggta 180
accggagaaa gttatcagag aaagcgatgt cgtttcacgg cagaggaaca acgccgttat 240
caaatccagg cgagcttcga agaccgaaaa cgttaccgga gttattctcc accggtcaaa 300
gcatcacctg accggagacg gtttcacttc cgccacgttt gacgaaactt ttacttaacg 360
tgacggtaca aggaagttaa ggagccgtac aaantataat ctgccggaa tccaccgtga 420
ggtgatt 427

<210> 9181

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-G5

<400> 9181

acgcgtccgc tcttcgttac taatgtcacc gtattcttca gattccacgg cggcgcgtga 60
tcaacatgcg cctctactcc gtccacgaca cgacggctct ttttcttctt cttcttcacc 120
agccagacct acagctctcg ccgttctatt aggacggatc accggccacc gagcaccgtc 180
gatgctgggt agagaaacag cggcgcgtgc tctcaggag agacgaatcg attgggggta 240
ctcgaagcct gtagttgctg ctgatatact atggaacgct gctttagttc ttgcgtcagc 300
ggttatgctt gtcggtancg ttgaagaaaag acctaatgaa accgattagg gttttggatc 360
tgtgtgtatg ggttacagtg ttgttcaatg tgggtttggg ttggctcctga gtattgggag 420
aangaaactc aactcgta 438

<210> 9182
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-H2

<400> 9182

acgcttcngt tggngtgatg aagtgtcctg taattgtaga caatgcatgg cacaanatan 60
cagcttcgtc gtctttcttct tttgcttcct cggattctcc tcccgacatg gcaaagattg 120
ttcgcgaagt tgatcctcta ngggacgatt ctcccccca gttcaaaatg tatatgggtg 180
gtgctgagtn tgggaacatg ccaaagtgtc acgctttgna cangttcaca nactttgttc 240
cgatgggggg cttttccgat gttaatcaag gttgtgcanc tgctgaagga aangttgatc 300
acnaattcna tatgaancca tatggtgaaa ccattgaaca atatgccaag gctttgtcct 360
gagataacga gcaannccat ggttaaaaat cgacagattc aggttantga taatgaccgc 420
ggagntcata t 431

<210> 9183
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-H6

<400> 9183

acgcgtgggt ggcacccgga gataccacca gtagcagagg tcaaggctgg tgagtttttc 60
cgggtagaaa tgattgatgc aatgggaggt gttatcaaag acaatgactc tgcaagcgat 120
atcaagaacc tagtcctaac tactactcat cacctaagtg ggccgattag ggttgtagat 180
gaggaaggtg ttgcagctaa agcaggtgat cttcttgctg ttgagatatg caacttgggt 240
cctcttccag gagatgaatg gggattcact ggttcgtttg atagagagaa tgggtggcgg 300
ttcttgactg accatttccc ttgtgcgacc aaagctatct tgggtactga nagggatcta 360
tgccactct cctcaaattc ctgggagtta cgantttccc gggtttgaca cacccaagga 420
gtcaattggc 430

<210> 9184
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-H7

<400> 9184

gggcggacgc gtgggggtcca cgatgaagat gaaagcggat gaggctatct ggggatcact 60
gcttaatgct tgtaagatac atggccatct ggatttggtc gaagttgctg taaaaaacct 120
ggttgcttta aatcctaata atggaggtta tgtcgtatg atggcaaatt tatatggaga 180
gatgggtaat tgggaagagg cacgtagagc tagaaagatg atcaagcacc anaatgctta 240
taaaccacca ngctggagtc ggattgagat cgataacgan gtccatcaag ttctactctc 300
ttgacaaatc acatccggga gactgaggag atatacatga tacttgacaa gtctgatctc 360
ttctgacac ttttgggaang tcctagnttc tcctatatga cttgacacag ctgcactcct 420
gc 422

<210> 9185
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E1-H8

<400> 9185

ttttcgcttc aattcaataa aaggcgaaaa atctctcact gcactttatc tcgagagctc 60
agatctccga tctagagcct ttcgcttctc ctcttctggt catataacaa ctgaataatg 120
tcgatctccg cccaaaatcc ggatatttcc ggcgatagac aatccggcca agatgttcgt 180
actcagaacg tgatggcttg tcaagctggt tctaatttg ttaagacctc acttggcccc 240
gtcggcctcg acaagatggt ggtggatgat attggtgatg tgactattac aaatgatggt 300
gctactattc ttaggatggt ggaggtcnag caacctgctg ctaaagggtc ntgtcnagtt 360
aacctgaacn tcaaagatag agaagtcggt gatnggacta catccngttg ttaattgtag 420
cctggctga 429

<210> 9186
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-A3

<400> 9186

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cactggaccg tatagaggta ctagtagttc gccattcana agcatcaagg cgatttctca 120
ctccgaaagc ttcanttaat ggcanccgna tcacaaacgg ngctgcagcg gnaaccacct 180
ctaaacctan togcaanggg aggaanaana agcaaaccat gacggtaatt gagaaatata 240
acaccgagac tgatcctgaa ttgaatcngg agttagctga ttacgacgac nggatccagt 300
ttccgtacga cgatnccgct cttgtgtggt gcttcggagc tgtacagaan gactttgttc 360
ccngtggtnc gaatccaatg ataatcccga tgcacctga taagtaccg cagtgggaaa 420
gatctacaag ttgggatnca accngnggtt ttgggaaaag ctccgggaag gtccg 475

<210> 9187
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-A4

<400> 9187

acgcgtccgt gtttatgtgc ttttaaaccg tgctatcaat cacacacaga aggatcttcc 60
agtgactatt tatgaaagtg aattgcatgt cattgatgga atcccgagc taattttcgc 120
tcatacaagc tacacaatcg agacagttga agctgaacgg atatcanttg atcatgttgc 180
acatcttaaa ccatctgacg gaggctcagc agcaaccag ttggctgctc atcttactgg 240
tanacatagt gccatcaana tgcttaatat caagaatcag agtgctttac caaaatcttg 300
ctgcaatgca agaaagggtg taaatcctgt gacanctcag ttctgagaca agtatctagc 360
ctgctaagaa gattgcctgc catgggaatc agagagattt caaganaatt tctgatgga 420
gtacaacgac annttactaa tnacttacct ancgatgatt acaaagttg 469

<210> 9188
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-124-Q1-E2-B8

<400> 9188

ggnaaggctt cgcttgccg taacggtccg gaaattcccg ggtcgacca cgcgccgcg 60
ccggatacta cgccgatgac gattgcggca gcgccagcac gccagacaga tcgatcagcc 120
actggtttca accctgctta cgtcacgacg gcgaacgcgg tgagcggttc gggttcangtt 180
cctccggcga ctgtggtttc cgaaggatta ggtaaagatg cgttgatctc atggttcata 240
ggagaattcg ctgcgcaaa cgcgataatc gacgcgatgt gctcgcatct aaggatanct 300
gaagaagcgg tatctggatc ggagtacnaa cctgtattcg cggcgatcca tcgccgtcgt 360
ctgaattgga tccctgttct tcagatgcan angtatcatt ccatcctga agtagcgatc 420
gagcttcaga aantggcggc taaganancg gaggatntta aacataagaa aacatcatga 480
agaggcngan gaaagatctg aaagaagtg 509

<210> 9189
<211> 465
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E2-C3

<400> 9189

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gatcagaaat ggcgcaaccc ctctgaaga aanacgatga tcacgacgat gagttggagt 120
attctccatt catgggaatt gagaaaggag cggttcttca agaggctaga gtctttaatg 180
accctcaggt tgatcctaga cgatgctccc aggtcattac naagcttctt tatttgctta 240
accaanggga gtcattcacc aaggttgaag caacggaagt tttcttttca gttacaaagc 300
tttttcantc aaaagacacg ggtttgagga gaatggtcta cttgatcatt aangagttat 360
ctccatcatc tgatgangtt atcatcgtaa caantctctt gatgaaagat atgaatagta 420
gaaattgata gtttcgagca aatgcaancc gttgtctcct gccgg 465

<210> 9190

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E2-C4

<400> 9190

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catgaagaan aagctccaga cacgttttcc agcgacangg attaagaaga ttatgcaaac 120
tgatgaggaa gttggcacia tagcaatggc agtccctctt cntgtttcta aagctttgga 180
gctgttttta caanacntgt gtaatcacac gtatgatgta actcnaagcc nangtgcnaa 240
aactgtcaac gcctttcatt tgaagcagtg tgtgcaagcn actaatgtct ttgattttct 300
aananacact gtcgctaaag ttcttgantt ggggtgggctc agacactgan gaccaatcag 360
ctacaaaaaa gaaggaaagt tgttgatggn aatagtttca acgaanaaga tatgnacang 420
ancactcaaa tgcatgangg tcaaacatac 450

<210> 9191

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E2-C7

<400> 9191

```
acgcgtccgg tttttcatgc ttcaaaccct ccttgcactc tccgcttccc tccgttacct 60
ttactttctct attgcttagc tcgaaaaatg gcattcttcag ccgcccacat ccacgtttctc 120
ggcgggaattg gnttcgcttc ntctttcttct tccaaganaa atctcaatgg taaaggcggt 180
acctttatgc cgagaagtgc cttcttcggt acaagaaccg gtcctttctc cacacncact 240
tctgcttttc tcagaatggg caccagaaat ggcgggcgcg cttctagata cgcggttggt 300
ccggttcgtg tgggtaacga gaagggtgtt ggaattgatt tgggtacgac naactctgca 360
gtatctgcta tggaaggagg taagcctacg attgtgacta acgctgaagg tcagangaca 420
acgccttctg ttgtggctta cacgaagant ggtgat 456
```

<210> 9192

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E2-C8

<400> 9192

```
acgcgtccgc tttantcgtt gggaaaagtt tgtnnatcag gagtggccaa ttcttggtgt 60
anaatgagaa tcngatagag agagagtcac ggaagctctg aaaaccgcaa cttttagccc 120
tatgtcngtg ttatccgaga anagatcacg anccacgaaa agcctttctc gctcccnac 180
ctctttccac caanatcaca ggagaccaat ctccaagaa agcttcttga agagattcan 240
tgggtggattg gttcttctaa cttctgttct aagcagtgcac acagctctg ctaaatecct 300
gacgtacgag gaagctctgc aacantctat gaccattctc tcatcttttg attcggatgg 360
tctgattgaa gggatatcca attttgtcan aggacaatcc tttggttatt gccggtggag 420
ttgctgcatt ggtgtttcca tttgttccgt cccaagttca ga 462
```

<210> 9193

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-124-Q1-E1-F5

<400> 9193

```
acgcgtccgt ctctctctgt gctcttccag tctctatcga tcgccttctg aattttccgg 60
cgaaaaagca aatgtccgtt aacgacagta tcgatcctcg gttcgtattc cacgttgaag 120
atgaatcttt gcgtttccgt gtgggagatt caggtactaa gatccgggag ctcgaaaccg 180
tcggcgatcg ccatttcaga acccagcaag gtttctgcgg aaatagaatt gagaaagatg 240
aaaccatgta ttccgatgga gatgatgaag agtacgacgt ttctatccga agacgaactg 300
ctctgattca gcctgntatt gattccggta acanttatga ttctgctgca gctgaagaaa 360
ccaacagaga aagtaanaaa tccagttggt tgggaactgg gttgtgagag aagatgggga 420
aaggtaantc aacgatttg 439
```

<210> 9194

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-B4

<400> 9194

```
aacctctctt catcgaaaat gtggagactc tctgtgtcaa ttttctctt ctcattgtctc 60
ttcgtttctt cgtcttcgtt gggcgattcg gaggcgacgt gttccgggtat agttccgtta 120
cggtaaccgt acgataagat ctcgataacc gactttggan gcgttggaga tggtcgaacg 180
gtgaatacta aagcgtttan ggcggcgatt tatcggattc agcatctgaa gaggagaaga 240
ggcacgcctt tgtntaaaac tccgggagtg tatttgaccg agagcttcaa tcctcactag 300
ccatnatgac ncctttacct aanctaaaag ggggcntgaa taaaaccgnt tcaaggaaan 360
ctggnaattg ggcanttgaa tgattccntt gcccgctcctt attggaaaaa agggaaaana 420
gt 422
```

<210> 9195

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-B6

<400> 9195

```

acgcgtccgg ttatgggtcg atgtgttgaa gaaaacgttg gagcatggct tagcaccaaa 60
atcatggacg gattacttgt atctaaccgt tggaggtaca ctctccaatg caggaatcag 120
tgggtcaagct tttcaccatg gtcctcaaat tagtaacgtc cttgagctcg acgttgtaac 180
tgggaaagga gaggtgatga gatgctcaaa agaagagAAC acaaggctat tccatggagt 240
tcttgggtgga ttaagtcaat ttgggatcat cactcgagca cgaatctctc tcgaaccagc 300
tccccaaagg gtgagatgga tacgggtatt gtattcgagc ttcaaagtgt ttacggagga 360
ccaagagtac ttaatctcaa tgcattgggtc aattaaagtt tgattacgtg gaaaggnttg 420
tgattgtggg ac 432

```

<210> 9196

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-C1

<400> 9196

```

tgttacgcct gttggtaccg cccnnaaatt cccaaagtcg acccagcgt cgggtttcga 60
agaatggcct aatgtcctct cactcttggg tgggtctgatt gtgatcaaaa cactgattat 120
aaccgcaatc ggtccccgag ttggcctcac aatacaagaa agcgtgaagag ttggctttct 180
tctttcccag ggaggagaat ttgcatttgt tgtgttctct ctagccaaca ggctaggagt 240
gcttccaaat gagctgaaca aactgctcat tatcgtagtt gttttgtcta tggcattaac 300
accttatctt aaccaacttg gaagaaaagc cgccgatttt cttgatgaga gacttgatcc 360
cggagaagaa aataggtgaa gatgtgaact tcgatgttag tgaatcaaat gtcattcattg 420
gatttggaca aatgggtcan ggttctgggc aaatttttgt caacgccaan tgggctcaag 480
ataagtggat c 491

```

<210> 9197

<211> 457
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-C4

<400> 9197

```
acngccccaa aattcccaag gtcgaccag ggcgccat cgttgcttag taagaaagta 60
gaaagtttct gagaatctcg ggcacgaatt gaatcagata attcgctaga atcggtttta 120
cgcttttaaag gcaatcgctt tgcattctca tgaattctct tataactcggg gctgctagaa 180
ngttcgtggg gttgcatttg anagtttcag tgaacctttt gcaaaatgaa tctttctctt 240
cgtattcggt ctcttctgct agtgctgctg angtgagccc taaaggggag acctttaaat 300
cctcgctcct ccttgattca ctgcgtttan cnacnannnt cactgacnan ggaaattctg 360
antccgttct ggatgttctc anaagttatg ggtncactga atctcagatc ccagcatcat 420
cangagtgat tcaagantgc ttanagacaa tgatgcg 457
```

<210> 9198
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-C7

<400> 9198

```
cacanannatc aaaagcattt agttttcttt cccatcctgt acccgaatgt tcttgcant 60
cgcgaaacca tccggtttca aatgccacan atcttggggg gacacaccgt tgtccgcaat 120
gggtggatgg tgctgtaagc gaaagattaa aggagtataa gaacgcanag aaagaagagg 180
atcttgatga ataggacttg tcttcttcag gattgttctt tggtcacaag gaaagtggag 240
ggaataatan tggttaacaat gagactgtaa attncnangc taacnataan gaagaaggtc 300
agcttgaaca tcaagaanaa cttnaaggca tcgaangata aggcttgtgg ttgaagatgc 360
aacaatgagc angtcgcaga tanatctaac cttttctcaa aaataattta atgcctggtt 420
attacat 427
```

<210> 9199

<211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-123-Q1-E1-D1

 <400> 9199

 cactctctct aataattctc cagaacattt tgcacattcc gtttcactcc gtgttggtgg 60
 atcccccaaa gaaaatgagt tgctttgggt gttgtgggga ggatgatgat atgcataaaa 120
 ctgctgatta tggaggtcgt cataaccaag ccaaacactt tcctccagga aatgatgcaa 180
 ggcaccacca agcctctgaa actgcacaga agggtcctcc agttgtgaag ttgcagccta 240
 ttgaagtacc tattatccct tttagtgaac tcaaagaagc aactggatga ttttggatcg 300
 aattctctca tcggtgaagg ctcttatgga agagtatact acgggggtatt aaaacaatga 360
 tctgccttca gcgattaaaa aagttggatt ctaacaaaca gcctgacaat gaattccttg 420
 ctcaaggttt ccaatg 436

<210> 9200
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-D3

 <400> 9200

 ctgttaccct gncggtaccg ctccgaaatt cccgaggtcg acccacgcgt ccgtgcgaat 60
 gcagctccan agcaacagag aacgatgctt ggtganaatc tatacccgct tgtggagcag 120
 ctgganccag aatccgcagc taaagtcacg ggaatgcttc ttgaaatgga ccaanccgaa 180
 gtacttcact tgctggaatc accanaggca cttaaagcta aagttacaga agcaatggat 240
 gttctgagga gtgtagcaca gcagcaagcg ggtggtgcag ctgatcagtt agcttctctg 300
 tctcttgng acaacatcgt accttgagag ttctaagtta tatctgaaag agctcagttt 360
 atatacactg taaaagtgtt tattttgttc ttttggagaa tcagaaacan agttgttcct 420
 gaaagttttg ggatttttgg agtttttggg tttgggccaa gannttttaa caatttcccn 480
 tccggtggtt tttg 494

<210> 9201
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-123-Q1-E1-D4

<400> 9201

```
acgcgtccga ttctttgggt aactttcgct tactctctcc ccattctctc tcgaagagag 60
cctcgccgga gtttgttttt cttcttggtt cgcggccaaa accgcctttg tgtaaagcta 120
ccttgttatt ttctccggtt aaccatctgg tatagggtgc tgctggactc tttagatggc 180
agactctcgg aatggtaatg cccgagcccc tcctagtggg gtgcctccaa aagctgggaa 240
tacttattcc atagatgtta aaaactttat ctcacgtgca agagcattgt atgaacactg 300
gaagaagcac agtgcagact tatggggatc tgccgacgct cttgccattg ctaaccctcc 360
tgcttctgat gatctgcgtt acctgaaatc ttcagcggtg aatatttggc ttctgggggt 420
aagagtttcc aagatacaat 440
```

<210> 9202
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-D5

<400> 9202

```
gnaactgttt acgcctgccc ggtaccggtc caaaaattcc cgggtcgacc cacgcgtccg 60
gtacaatact gcaactgtcg gagtggtagg agatggattc atggctcgtg atctaacgtt 120
ccanaacacg gcgggaccag acgctcacca agcggtggcg tttagatccg acagcgattt 180
ttctctgatc gagaattgcg agttccttgg gaaccaagac actctctatg cccatgggtc 240
tcgtcagttc tacaaaaact gtcgtatcca aggaaatggt gactttatct ttgggaattc 300
agctgctgtc ttccaagact gtgaaatcct aatcgcaccg cgtaaatta accctgaaaa 360
gggcgagaaa aacgcagtca ctgcccaagg aaggattgac ccgtcccagt ccacgggttt 420
cgtgttcttg aactgtttga ttaacggaac agaaggagta catgaagctg tttaaagcta 480
accctaagg 489
```

<210> 9203
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-D7

<400> 9203

```

agatagagag aagaatcatc tcctatactc tagctccaac aatggctaac aaaaacccac   60
ttcaaaaacc ctttcttttc ataatcttat caatcaatct catctttctt caagcagaaa  120
caactactca aatctctacc aagaagactt atgttatcca catggataaa tctgccatgc  180
ctttacctta cactaatcac ctacaatggt actcttcaaa gataaactct gtaacgcaac  240
ataaatctca agaagaagaa ggtaataaca acaggatact ctacacttac cagactgctt  300
tccacggttt agcagctcag cttactcaag aagaagcaga gaggcttgag gaagaagatg  360
gtgttgtagc tgtgatacct gaagacnaga tacgagcttc aactacaag aagtccaacg  420
tttcctg                                           427
  
```

<210> 9204
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-E2

<400> 9204

```

acgcgtccgc atttcgattt ttttcgggt gaaaaggag gagaaacatg gttgtacgta   60
tcagactgtc gagatttgga tgcaaaaatc ggccattttt tagggttatg gctgctgata  120
gcagatctcc aagagacggg aagcatcttg aggtcttagg ttacttcaat cctttgccag  180
gccaggacgg tggtaagagg atgggtctca agttcgatcg aattaagtac tggttatctg  240
ttggtgctca gccatcagac ccggttcaac gtctcctatt cagatccggt ttacttcctc  300
ctcctccaat ggtggctatg ggacgtaaag gtggagcacg aagacacacg cccagttgat  360
ccgatgactg gtcgctatgt ggatgcagag aataaaacag ttaatgcaa tgataaccag  420
cctaaggaag angatacaga                                           440
  
```

<210> 9205
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-E3

<400> 9205

```
acgcgtccgc nagaacaacc ctagattccg atgatgaggg gtctcgtttc cggcgccaag 60
atgtatcat caaccccatc gtcgatggcg acaagcatcg cactggttag aagaagctac 120
agtctgattc cgatggttat tgagcactca tcgcgaggag agagagctta cgacatcttc 180
tctcgtttgc tcaaggagcg tattatctgc atcaacggtc ccattaatga cgacacatct 240
cacgtcgtcg tcgctcagct tctttacctc gagtctgaga atccttcgaa gccgatccat 300
atgtatctca attcccctgg cggccatgct accgcgggtc ttgcaattta tgatactatg 360
cagtacattc gttctcctaa tagcacaatt tgtttgggtc aagctgcac c aatggcttct 420
cctccgttgg gaancgggtg g 441
```

<210> 9206
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-E4

<400> 9206

```
gacgcgtggg cgtcactcgt cacatgagag gaacaacang anaagtcaaa acgttgaagc 60
tttctcgaat aacgcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngaccagatt caaaattgcg tagcgtacta 180
attcaatata gagagaagtt agatcanaag aagaacacga aactctgact gtgtctctct 240
ttctcttcgt gtgtttcnat atntanatat aataagacaa gatntctggg ctggaattag 300
aaagaatcct anttgggggt ttttcttang agtaagctct aatggcatat taatgtaaaa 360
gagcngactt tataagaana ccnctacgtg ggcagttgcc gttggttgcc ttgtcng 417
```

<210> 9207

<211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-123-Q1-E1-B3

<400> 9207

gttacgcctg ttggtaccgg ccccgaaatt cccgangtcg acccacgcgt ccgcggcggt 60
 tcactcgcaa gactgactcg aaaacacccat cccagcctct ggtatcccgt cgctctgcaa 120
 actatcaacc gtctcttttg cagcacgaat atctcctctc gtcggttaat acatatgtga 180
 aagaggacaa cgtcgagaga gttacgttat tgaagcagga agtgagtaaa atgctcaatg 240
 aaacggaagg ttactcgaa cagctagagc tcatcgacac ttacaaaagg cttggagttt 300
 cttaccatth tgaacaagaa atcaagaaga cactaacgaa tgtgcatggt aaaaatgtgc 360
 gagcacacaa aaaccggata gatcgaaacc gatggggaga ttatcacgag accggccttg 420
 agtttccgac tctaaggca acatggtttc agtatcgac aaagatgttt ttgacgggaa 480
 atantggag 489

<210> 9208
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-G7

<400> 9208

acgtggagct actttgtaat tataaagatt tattgtttcc cataaactgg ttaaattgatt 60
 ttagaaacta aagtaaaatg agcttgacac tagagtttct gcttcttctg attgtactta 120
 tcttgagtca ccatgctcat tctggctcta ttgtcaaatt ccttcttggt tttgaaggcc 180
 cccttccctt tgaactcgaa accgggtaca ttggtattgg tgaggaagag gaagtgcaat 240
 tattctacta ttcatcaaa tctgagaaga atccagaaga agaccctctt cttctatggg 300
 taagtggagg acctggatgt tcctctctta ctgggccttc tttttgagaa tggaccggtg 360
 gctttgaagt tcgaggttta caatggaagt gttccatctt tggctcttac taca 414

<210> 9209
 <211> 468

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-G9

 <400> 9209

 tttagttgnc cggnccggtc canaaataac gggtcnagcn cgcggtccggn cacacgtccg 60
 aaaacatggc cgagtcaccc tccgagtcaa cctccgactc gcttagcacc accacatcca 120
 ctaagcccgc tcaatccggg actgtttcta tttcaagccc tcaaagtcac catgtcgtct 180
 tccccgagat cccaatcgag atcgtcagtg aagaagaaat ggctattctc gatgcagctc 240
 ttgcagcctc ccgctccatc ctcccttcg tgatccgttc tgtttctccg tcacggataa 300
 ccgcccggcg aagtcccaaa acaatccgct caattactct cttctccaag aggaaattat 360
 cggcttggtc agatatcgaa gagtcttacc tacatcgatt taggagaaat caagctttag 420
 gtgtcacaag atntcacgg aactgaatgg tgtgagaaac aaatgggg 468

<210> 9210
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-H3

 <400> 9210

 acgcgtccng gaaaagatag ctccggagct cttcctcgtc gccggtaacc cggactcttt 60
 cgtcgtcgac gacctctcg acttctctaa cgacgacggc gaagttgacg acggcttaaa 120
 cactcttccc gattcttcaa cactctccac cggcactctc accgacagtt ccaactcctc 180
 ctgcgttttc accgacggca ctggcttctc cgacctatat attccggtaa ttttccgtta 240
 ttattttctc aaatccacgc caatatattat gaaatagtaa cactnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn taatcaagaa tgacgatata gcagaattag aatggttatc aaattttgtg 360
 gaagaatcat tcgcangaga agaccaagac aangcttcan ttaatttccg gggttaaaaaa 420
 ancct 425

<210> 9211
 <211> 436

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-H4

 <400> 9211

 cgggncgacc cacgcgtcca tcttaatgga gtggagggga atccnctgct cgttgctttt 60
 tattgtttcc gtgggagagt cgtcaagtag atttgggata atgtggcatc ctaatcttgg 120
 tgttgattct ggacaatact tgacttggcc aatcttaagt gctaagtgtt ttcgtgggta 180
 ttgccatcct cctcccatg tatcttatct ttgagcactt agcttcttat aatcaaccag 240
 aggaacagaa gtttcttatt ggacttattc tgatgggtcc tgtttatgcc gtggaatcgt 300
 ttttgtcttt ggtgaattca gaagcagctt tcaactgcga ggtgattaga gattgttatg 360
 aagcttttgc actctattgt ttcnaagaga tatttgataa cntgcctaaa anggggaaga 420
 acgttcaatt tgaant 436

<210> 9212
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-H5

 <400> 9212

 ttaagccctc actatcctct ctctcaaate gcggagctct cgaagtttct ctgtcagaca 60
 aaatgcagtc gtcaacgtat gcggttaaag gaaacgctgc gtttgcgttt cagagacgga 120
 ccttctcttc tgacagatcg acgacttcta ccggaattcg cttecgctgg tataagagct 180
 tagccaccac cggggcactc tactgttctg gttctgaagc catgggagcg acgcttgctc 240
 gtgctgataa cgggatccag agcgttatga gtttctcttc tgtcaaagct cgatcgggtca 300
 gagctcaagc ctcatctgat ggagatgaat aanaagctat acctctgaga tctgnncggg 360
 aaaaagtctg ggaacangtt ttgncccttt gttggggggt gcctgtcn 408

<210> 9213
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-H6

<400> 9213

aggagggatc aagctgcttc atcggtaatg tgaacgcaac tgcggatgct ttagtcaact 60
tcaaaggaaa agactaccac gtaccggctt ggtctgtaag tgttcttccg gactgcgata 120
aagaggctta caacactgca aaagtgaaca ctcaaacatc aatcatgacc gaggactcta 180
gtaagccaag agaggctgga atggacctgg agaccggagt ccgctcagaa gatgattctt 240
aaaggcagtg gagatctcat tgccaagggg tcttgtagac canaaagatg ttacaaacga 300
tgctagtgc tatctttggg tacatgacta nggcttcac tcgacaaaga aagatnccac 360
ttttgngnc cgaaacnatg acgttaccgg gttcacaagc aatggcccat gttctan 417

<210> 9214
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-H8

<400> 9214

gatnccccggg tcgaccacg cntccgattc aattgtgcaa cgtccaatgg ttgtgggagg 60
aagcgtagtt ccgaggccaa tgatgtatgt cgcgctgact tacgatcata ggctaattga 120
tggaagagag gctgtgtatt tcttgcgccg tattaaggat gttgtggaag atcctcagag 180
gcttcttctc gacatatgat aaagatccaa gacagaagag atcataagtt tctgtctttt 240
taccaagttt cctttcaggt aaaaccatta cggatactgc aatctgcaaa tgatgctttg 300
angaaaagan cgaaactttt ttttttgag ttttcttaat agttttaaga gtttttgccg 360
ggcgaggaan gcatccgtgt at 382

<210> 9215
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-123-Q1-E1-A3

<400> 9215

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gacatactcn agtcaatcct ctctantta ccaactcctag acctcgattc cgcttgccaa 120

gtctccaaat catggaaccg cgccgtcttt tactccctcc gccgccttaa aaccatgccg 180

tggttggtcg tctacaacca gagaaattct ccgccgtaca ccatggcgac gatggcgatg 240

gcttatgatc ccaagtccga ggcttgggat cgaagctcaa caccgcatca tctcccgtcn 300

aacacgtctc cgttgctcga tctctctact cnacgttgct ctacgcttta tctccggcga 360

agattctctt tctcaaccga cgcgtttcat cngacttggc aacacgtggc accgccgana 420

gtttgggagg atcgattcna a 441

<210> 9216

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-A4

<400> 9216

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ggaggtttgt acatttaca atgctgggtc ttgctctagt gtaacaaggt atgagtctgg 120

tggtgggtgt actcaaggct atggttagaga aggttacaat cagcctgtga ctggttatgt 180

tgacaatgat gcggtgattg ctcaagttta tcaagacgaa ttgtctanag ttgctcgagc 240

cgaagcatcg gggatcaata gtcttagtcc tacttctgtt gttgcacaag actggcctca 300

tcctcatcaa ggacaggaaa atcaagggga agccattgat attactcang aaagtgatat 360

tcttcataat cataacggta acatgggaaa gataanaatg ttgcaangga taagatttna 420

angaaggcaa aagtttccca actccgtgat natgaccnaa tttggtcng gngaaaatag 480

nagaaagaat cct 493

<210> 9217

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-A7

<400> 9217

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acagccgcgc gagatgaacc tcacgtgacc gttcttcaga tcggatcttc tgtgtgtaac 120
cgtcgaggag gacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn gaaacactct aatggcgaca atgagcaaag ctcaaaggac caaaccct 240
tctggatctc agcgtcttgt tctgttctgt atagtttgtt tctcattcct cctcctcttc 300
tcttcggtga tctccaccgg caaattggga ttgccttata aacaaaccct aatcgactat 360
ttcgtgtggt ctctcgtgg taaagagaca gcattcgttg tcggagaagt actgtattgg 420
ggaaacagaa tc 432

<210> 9218

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-A8

<400> 9218

acgcgtccgc agaaaggaaa aaaatggtga atccttcttc acctggaatt gccatactcg 60
gagctgggat ctctgtcaaa actcaatata ttccgagatt agctgagatc tccgatctcg 120
tcgacctgaa agcgatttgg agccgtactg aggaatctgc aaaaggagct gtggagatag 180
caagaaagca ttttctgaa gtgaagtgca aatggggaga tgagggtctc aatgagatca 240
ttcaagacag ttcaatagtt ggtgttgctg tagttgtagc tgcagaaacc atggttgaat 300
tgtcactgaa gatgctcaag gcaggaaagc acgtccttca agagaagcca gctgctgctt 360
caatcagtga gatagaaact gcaatgtcaa gctatagaaa tatttctgct gattccccaa 420
tgccgtccaa ttn 433

<210> 9219

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-123-Q1-E1-B1

<400> 9219

tcaacttate cccattttctc tgaaaaccct aacaaatcct cctcttggtc cgccactgcc 60
gccgccgcta ctcaacgggtg gtgaattttc tatacgggtca gttcgatcct ctttttatcg 120
acaatcctac acaaatccat aatcatggcc gccactgctt cctccgaagc ttctgaagga 180
ccagtgatgg gtctcatcaa caagcgtctc cgtgctctcc gtaagaaata caaccgaatc 240
actcaaatgg aagaatcgat ttctcaaggc aaaaccctaa acaaggagca agaagaagtc 300
ctccgctcta aacctgccgt cgtcatccta atcgacgagc ttgaaaagat tcgtgctcct 360
ctctccgccg ctgtgacaag anggaaatca gcctcgctac tcagcttaac cgtgcttcat 420
ccgatnaaac ca 432

<210> 9220

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-122-Q1-E1-G4

<400> 9220

aacccggggc cgacctttct cgtngaantc ttgagctctc tacctcttta nctccggaga 60
tgtataataa catgggacct caaccgggga tgccaagacc tccaggaaac cctgagcctg 120
gtccatttgg taatcctttc actggagctg gctcgggttt tatccgtggt ggtttgggag 180
cgtatgggga gagaatttta ggatcgagct ctgagtatgt tcagagcaat ataagccggt 240
acttctctga tccgcaatac tatttccaag tgaatgatca atatgtgagg aataaactga 300
aggttgttct gtttcctttc ctacaccggg gacactggac cagaatatct gaaccagttg 360
gtggtaggct ctcatacaag cctccaatat atgatatcaa tgctcccaga cntgtacatt 420
ccccttaagg nattggggaa cc 442

<210> 9221

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-122-Q1-E1-D12

<400> 9221

taccttgcag gccggtccan aataacgggt cgaccacgcg tccgcgcttn tttattttgt 60
aatttaattt cggttgcttt ttaaatactt aactccgaga tttttaaggg attgctatct 120
atTTTTTTTT ttttggggat tggttagttt ctcggttagt tatgttaagt aacgaacttt 180
aaaattaggg ttttgatttg gttttttttt tatttcagtg gttaagttca atgtctgtgt 240
atctttaata acgcaccaga ttcattgttg aggtatcagt agtaaagggt ggacatttgt 300
gtcgattga ggaagaaact ttggatttca gactcacttg ggacctacc ttaaatggct 360
tcttcaactt ctgggatttt ctttcaagga gatgatgaat ctcaaagctt cattaactct 420
cacttgactt cctcttatgg gaattcatcc aactccgnt 459

<210> 9222

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-122-Q1-E1-D5

<400> 9222

acgcgtccgc ccacgcgtcc ggttctgatg aaatactggg gggatacttg tacttccata 60
aggctcccaa caagaaagaa tttcatgaag aaacatgccg aaagatcaaa gctctccacc 120
aatttgattg tttgagagct aacaaatcaa cttctgcgtg ggggtgtcgaa gctcgtgtgc 180
ctttcctaga taaagaattt ttaaattgtg caatgagcat cgatccagag tggaagttga 240
tcaagcctga tctcggaagg atcgaagaag tgggtgctac gcaatgcctt tgatgatgaa 300
gaacgacctt atctaccaa gcacattcta tatagacaga aagaacagtt tagtgatgga 360
ggttgggtat agctggatag atggtctgaa agatcatgca aataaaacat gtctctgaat 420
actangctgt caaa 434

<210> 9223

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-122-Q1-E1-D9

<400> 9223

ggtccanaaa taaacgggtc gaggcncgcg tccgattttt gtagaaatcg aaactgggct 60
tgatcaatth tgactctttg catccaatth cgatttctaat ctccgtaatt gttctccgaa 120
tcgggtcaat ttcaagttgg gaaacaaacc ctagegaacc tccattgatg tgatctctct 180
ctctctctca caacttgaga atcaactcnc tagaaaatat cagaaaatcg ttgaaaaaat 240
ctgggtctttt ctggagggaa atgccagggg tagctgtgaa gctctatagc gtcttcttta 300
agttactatt gaaacatcgt cttcagaatc tgatttcaat ttcangctgc tgatggctta 360
tcngattcct ttggtgtttc gaccgatgc ganganatcc gtcggccgcc gcgaatccag 420
tctttcaccc aacggtgttg ccaccaaaga tatacgc 457

<210> 9224

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-122-Q1-E1-E6

<400> 9224

tcctttctca caagccaatg gcgcaactta ctaattccct caattatctc ttttctgttt 60
ctctcttatt atttgtatcg ttccactgct tatgttttcg tttttcgttg gttgcagctt 120
gttcaaactc cactgacgat caacagattc aacaccatca ccaccgaaa tgggttggtc 180
cctcaggcca caaagtcac accgtctcac ttaacggcca cgctcagttt cgctccgtcc 240
aagacgctgt ggattccata ccaaagaaca ataacaagag catcacaatc aagattgctc 300
ccggatttta cagagagaaa gtggtggttc cagctacaaa accgtacata acgttcaaag 360
gagctggtag gggatgtgac cgctatagag tggnacgaac gtgcgtttcg gacttgg 417

<210> 9225

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-E7

<400> 9225

gaagtcaactg gccgtgctac aagcaagtgg gtgatgatga accaagacac gagacggctt 60
cagaaagttt ctgatgatgt tcgggacgag tacttgggtct tctgtcctca agaaccgagg 120
ttagcatttc cggaagagaa taacagaagc ttgaagaaaa tcccgaact cgaagatccg 180
gctcagtatt caatgattgg gcttaagcct agacgagctg atctcgacat gaaccagcat 240
gtcaataatg tcacctatat tggatgggtt ctcgagagca taccacaaga aattgtagac 300
acgcacgagc ttcaggtcat aactctggat tatagaagag aatgtcaaca agacgatgtg 360
gtgggattca ctcaccacca ccacctctga aattgggtgga accaatggct ctgccacg 418

<210> 9226
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-E9
<400> 9226

ttngattgct tagttttttc ccgggagact gaaacatggt caccggcgga gcttcgtcaa 60
gcgtgggaag gtggcgagc gcgtttctct ctctcaggga cgaaatctca accactccac 120
cgccgccggt tcctctgttg ctcgaggatc tactcttctc tcaatcccat tcccttatct 180
ctgccgtctc tcacctccca ctgcacgagc tcaactccga ttgcttggtc ctgctcgatt 240
tggtttccaa agctgatggc cctgactgga tccctgtctc tcgtcatact tgtcaactga 300
ttcacgatgt ttgtgctcgt ctacttttcc aactaaattc ttcgatcatg ccgctccttc 360
ttcactcttt tgcttctgtc ttggagtgtc ttcttcgcca acccaagcct tctt 414

<210> 9227
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-F1
<400> 9227

ngtggagaag catcgataa gcctattgat agtgctgttc tctcaaggat gaagcaattt 60
agagcgatga ataaactaaa gaaacttgct ttaaagggtc ttgcggagaa cattgacacg 120

gaagaaatac aaggcttaaa ggcgatgttt gctaatatag atacagacaa tagtggtact 180
 atcacatacg aagaattgaa agaaggatta gccaaactgg gatcaagact cactgaagct 240
 gaagtgaaac agctcatgga tgctgctgac gttgatggaa atgggtcaat agattacatt 300
 gagtttatta ctgcaacaat gcatagacat aggcttgaaa gtaatgagaa cgtttacaaa 360
 gccttccaac attttgacaa agatggggaa tggatacant acgacagacg 410

<210> 9228
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-F11

<400> 9228

ggtcanaat aaacgggtcc aggcccgct cccanccgtaa agggtttgtt tttcgtttct 60
 tctccgattg ttcagaggaa ttgcgaatta agataaagat gaggccagtg ttcgtcggca 120
 atttcgagta tgaaactcgc cagtcggatc tggaacgggtt gttcgacaag tatgggagag 180
 tcgaccgagt ggnccatgaaa tctggaactt ttcttcaaag gaacaagatt tgccatcttc 240
 ttctttcttc tgcaaaatca tttctacatt ttcatacctg cttttatcat cttgtgccta 300
 ncaatcttca ctgactctat agaaactttg gaatttgtct gtctattacc aatcatcgat 360
 gcttcagatg gaagtctant gaatccncca ttgccagtgc cttgcnttcc catatcngaa 420
 ctccnccnnt cacaatgttt aaagccattg cctggg 456

<210> 9229
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-F12

<400> 9229

gttanttgcc cggccggtcc aanataacgg gtcgagcncg cgtccgggtt gattttctca 60
 acaatggtgt ctctggccaa gtttcaactac tgtgatcaaa cactccacct ccgactcgac 120
 actcaccgta aaccgcagcc taaacctgtt tcataccgaa tcttacataa acctcctcct 180

tctcgcgtca tcagagcttc ttcgttttca tcaaacccta aaccctcttt cctcaaaacc 240
acctgcgtga ccttaacaac agccgccgct ttactctcgg ctccctcca cctctccacc 300
aaaccggtca ccgcagcaac tctcgtctca nctcctctc caccatccac ggccggcgat 360
ctcacttccg atcaaattctc gtcgcgtcca aaggaagaag aagaagaagc agcgtggag 420
aagcacctca ctaangaatc caaacgacgt cgaaggccct cnatcaa 467

<210> 9230
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-F6

<400> 9230

gtcacctttt cttctcagct acttcaggcg gagaaacact ttccgtgggt tagtggtgag 60
gacgatcact gtttgtaatt cgatggcgag gaagaagatc agagaatatg actccaagag 120
acttctcaag gagcatttga agcgtcttgc taatattgac ctgcagattc gctctgctca 180
ggtgacagaa tctacggatt tctactgagtt aaccaaccag gagtcatggc tatcgtccac 240
aaagctagtt gtgaaaccgg atatgctatt tgggaaacgc gggaaaagtg gtttggtagc 300
tctaaagctg gatcttgctg aagttgcaag actttgtcaa agcccgctc ggcaactgagg 360
tcgagatgga gggatgtaaa gcacctatca ctacattcat tgtggagcct ttt 413

<210> 9231
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-122-Q1-E1-G10

<400> 9231

actggcgat tttagccgtc cgccatttcc atcgtctctc ctcgtttctt ctctgctcat 60
ttactataac caacaaggtc tcttctcttc tcttctctc tctgcatcat ttgatccga 120
ttcgatggct gctccacctg ctagagctag agccgattat gattatctca ttaagcttct 180
tctcatcggt gatagcgggt ttggtaaaag ttgtttgctt ctaaggttct ctgatggctc 240
tttcaccact agcttcatca ctaccattgg tattgatttt aagataagaa ctattgagct 300

tgatggcaaa cgtatcaagc ttcagatttg ggacactgct ggtca 345

<210> 9232
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-G11

<400> 9232

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ganaagccag taaaaagggc tggaaaaggg aaagacaagc cgagtataa agtgctgaaa 120
aatgcaatcg ttgagatctt gaaaagagtg gacttttagta cggctacgtt cacggacatc 180
cttaaagaac ttgctaagga gttcacagaa gatctcactc caagaaagtc atctataaag 240
atgataatcc aagaggagct caccaaattn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnagg aggtgaaagc 360
ctaaactcct ttctgatcac atcgcacata ttgagtctct ctgtcagata ctgttgcccta 420
atgcctagta gtcactctggc aaatgtgtaa gttaaatctg tggatgtaat atttttgt 478

<210> 9233
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-122-Q1-E1-G12

<400> 9233

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tagcctcccg gattctgtct acggtttatc cgaagggtta gagttgagca aaccgacgtc 120
gtttagggtta cgggggtttt cggtgattgg acatagagga atcggatatga atgtgttgca 180
atcgtctgat cggagagcga gaggtgttaa agaaaactcg attctttcat tcaattccgc 240
cgctaagtat ccgattgatt tcattgagtt cgatgttcag gtgacaaaag atgattgccc 300
tgtcattttc catgatgatt tcactactc tgaagaaaat ggtattgtta atgagagtag 360
agtgcaggat ctgagtctgt ctgagtttct cctttatgga cctcanaagg gaaact 416

<210> 9234
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-122-Q1-E1-D10

 <400> 9234

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 ttaagcaacg ggcaatgtta gttgatgaga tatggcatgc tggttgagat ggagcctcgg 120
 atttagattg gtatgtcaag cgtactattc ttggaggcgt ttactcaact accgagattt 180
 acatgctcac cgatgactcc ttagaacatc gcgatacatg ggcattcttg gatgacagag 240
 tcaaagatgc ttttgatctt aagaagagca tacangaggc caagtatttt gcagaagaca 300
 tagganctgg agttgggaag tcggttcaag gactgatgaa tggganttat gcaggacaat 360
 gtccagaaga agtgggtggct ccgcgttttg aaaaagatta cnccttt 407

<210> 9235
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-G3

 <400> 9235

tcttttaaca tctcaccatc ttcttcttca atggaaactc cggattaaat gacacttctg 60
 taacttecta tatttactaa aatgccatct cgcctctctc cgccagatat tccgccgctg 120
 caaccgacgc ctacggttag tgacggccat catcggttcc agactcttcc acttatcata 180
 gccggttctc tgactttaac cggagtttta ctcatcctcg tcactttact tatttaccga 240
 agactctacc gaaaccgtac ggctccttca gatcttatct ccaactccaa gtctcctcaa 300
 cactaccaat gtcgacgctt ctcttactct cagctccgcc gcgctacaaa ctctttctcc 360
 gaagtcgant cacctcggtc acggcggatt cggctctggt taca 404

<210> 9236
 <211> 463

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-G4

 <400> 9236

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 tgtcaccgat tctgacgagg atgtagacac agaggatgaa ggtgaggaga aaatgtttga 180
 tactgcagct ttggctgcgc ttttgaaggc agccactggt ggtggaagtt cagaagggtg 240
 caattttacc ataacatctc aggatggcac gaagcttttc tctatggatc gacctgctgg 300
 tttgagttca tcgttaaggc ccttgaagcc tgcagcagct ccacgtgcaa accgttccaa 360
 catcttttcc aattctaattg tcacaatggc aagatnagac tgagattaac ttgancgaan 420
 gaagnnaaac aggaatttag aaaaagttgc anaccctcc cgt 463

<210> 9237
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-H3

 <400> 9237

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 accgtaaatt gtcgccgaga gacttatccg aacaaaaaac aaacctttcg ggaaagggag 120
 gaccaccaca accgagaccc agaacctctt ctccccaaaca agcaagaaga gagacatcaa 180
 aactaacctt taattccacc gatgaacctt tgaaccactc caagagcaac cacaccttca 240
 gatccgacaa agaggaagcc aaatacggcg gaataaaatg gatgttggct caaacaacc 300
 atctactctc gagatctggc caaagatcac ccgcaattaa gccatttagg atccggccaa 360
 aagatccact gctaaccctt ttgcaaagta gcgaanccag caatcca 407

<210> 9238
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-H4

<400> 9238

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tgatgaatca tttggtgata atctctgtgt tcttgagctc agtattgttg ttatatagag 120
gagaatctgg aatcacaagt agttttattc gatctgaatg gcctgcgggt gatataccac 180
ttgatcatca tgttttcaaa gtcccaaaaag gatanaatgc accacaacaa gtacacataa 240
ctcaagggtga ttatgatggt aaagctgtta tcatctcttg ggttacacct gatgaacctt 300
ggttctagcc aagtacatta cggtcgcgggt caggggaaat atgagtttgt tgctcaaggg 360
acttaccata actacacgtt ttacaagtat aagtctggct ttattcatca ctgccttgtc 420

<210> 9239
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-H6

<400> 9239

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agtcttatcg cttggaccta cgtttattga tgatgtcgaa gacgagactt gcttctcana 120
catgagcttg tatgatgaaa gagaaactga aaaccggctt gcactatggg aggactatga 180
actaagagga ttcttgccac tgcttcacgc tcagacgatt ctcaacttct caanggaaac 240
attcgtttgg aactgaaggt cccaaaggaa aagganagct cgtataaaag angatctttg 300
canncaangg aaagctttga ccagtngtga tnaaaangtt gntgaggnan catggtgnat 360
tttgattcag gagcagtaan a 381

<210> 9240
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-121-Q1-E1-A10

<400> 9240

gaagattgac aggggataca tctccccgta cttcataact aacccgaaaa cacaaaaaatg 60
tgaactagaa gatcctctca ttcttatcca cgagaagaaa atttccaata taaacgcaat 120
ggtgaaagta ttagaactgg ccctcaagaa gcaaaggccg ctgctgatcg ttgctgagga 180
tgtggagagc gatgctcttg ccaccctaata tctgaacaaa cttcgtgcta atatcaaggt 240
ctgtgctgtg aaggccccctg gttttggaga gaaccgaaag gccaatctac atgatctagc 300
tgccctcact ggagcccagg taataacaga agagttgggt atgaatctag acaacattga 360
cctcagtatg tttggaaact gcaagaaggt aacggtatcc aaagatgata ctg 413

<210> 9241
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-A7

<400> 9241

ccgccccacgc gtccgcggac gcgtgggaaa gatctctcct tggacggtgc tcttattgta 60
gattccattg atgatgcaga ggtaaaactt ggaggtttga taaagaacaa tggttggacc 120
atggagagtg tagattacaa ggacacatcg gttccagaag aaataagaat cagagggtttt 180
agattcaaca agtggagcaa ctcgaaaaga agttaactca acctggcaaa ttttctgttg 240
aagattgaag ttatctttgc acatttatgt gacacttttt taaaaagtgt tatttggcaa 300
tatgattant ttagcaaatt agctatTTTT ttaggagaat gccaaatgat tcattaattt 360
gtccttccaa atgggagagc ttaantcttt ccttcgtttt gtttccaacg aaacacttcc 420
ttttctttg 429

<210> 9242
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-A8

<400> 9242

acgcgtccgc tgagattatc ggcacttttg tcctcgtcta caccgtcttc tccgctaccg 60

accctaagcg aaatgcccggt gactctcaca ttctgtgtatt agcaccattg ccaattggat 120
 tttccgtggt catgggttcat ttageccacaa ttccaattac tggcaccgga ataaacccgg 180
 ctaggagttt tggagctgcc gtcacttaca acaatcaaaa ggcttgggat gatcagtga 240
 tcttctgggt cggtccattt gtgggtgcag ccattgcagc attttaccat cagtttgtgt 300
 tgagagctgg tgcaatgaag ggcctatggg tcagtcanga ngccagcttc atgagctcca 360
 tgcttaaaat ttgttaattc gaactagcga acaggtgaan gaat 404

<210> 9243
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-121-Q1-E1-A9
 <400> 9243

accttcctta accagaacca aatttcagat ttttaacaa cataagctct aatggcggtca 60
 ccaaagtcac ccacaagacc aaccaacaa aaccacacac ccaatttcca cgattttctt 120
 cctaccatgg ccggaaacct aggcggtgaa ggtctgatcg gagagctatg caacggcttc 180
 gagcttttga tggacagaga gaaagggtgc atcacgttcg agagtctccg acgtaacgct 240
 gcggcggttc tgggtttaag agatttgact ggatgaagat gtccggtgta tgataaagaa 300
 ggtgattttg actgcgacgg tgcgttgaat cagatggagt ttgtgtgttg atgttaaggc 360
 ttagccctga tttgatggaa gctcccgggtg tcncgtcacg gaggtc 406

<210> 9244
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-121-Q1-E1-B10
 <400> 9244

aaaaaagaaa gacaaagagg attgaacggt agacgtagac gccattggag tttgaaagg 60
 aattagtcga cgttttatgg atcattgtcg ttccggtgac attttcttct tcttctttcg 120
 ctagcacgat ttaaagcctg actagatcca tcatcggtcca tggaggattc tacagccacg 180

gctacgtctt cgtcttccac tcattatttc tccattttca cgaattatcc tctcatttcc 240
gccgtcacct ctttcaactat cgctcaattc atcaaactct tcacctcctg gtatagggaa 300
cggagatggg atctcaaaca gcttattggg tctggaggaa tgccttcttc gcattcagcg 360
accgttacag ctctcgctgt agctattggt ttacaagaag gctttggggg a 411

<210> 9245
<211> 503
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-B2
<400> 9245

ctgttacgcc tgccggtacg cntcnaaat tcccanggtc gacccacgcg tccgctctcg 60
taacagtaga agcagagtgc aaatctcact gactactacc aaggcaccaa tcaccatgac 120
catgatgata attacagtgt tcttaacagt gattgcagcg gttctcgcaa tccttgtaa 180
gaattctcaa accggttctg gcattctcgc accgcctgaa atctccggtt cgcgtgatgt 240
tttcccgtcg gcgaaagtgg ttaacttaac cggagcctct ggtcctgaga gtatagcttt 300
cgatccagca ggtgaaggtc cgtacgttgg tgtctcagat ggtcgtatct tgaaatgggc 360
gccggtgaaa ccggttggg atggtcaaga tttcgtcac acatccgtcc taacaagcaa 420
ggagtgtgct cgccatttg caccaagagt tggancatgt tgtgtggaaa ggccattaag 480
ggttgccggt tcgataagaa aac 503

<210> 9246
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-121-Q1-E1-B3
<400> 9246

catgttggtta cccaattgtc tcttccgcat ggggtgaggca gccatacaca tgtcaaaccg 60
ccggtctgac cgggtggcgag ccaaatacaa gctttccac ctcggtccgga cacaccgtgg 120
cgctgacgac aagtctttct actgtgtcta cgaacaggaa gacaaagaag gacacgttgg 180

catcaacttg tccaaagatc tcatggccat cgccggtgaa gccctcaagg caaacatcac 240
 cacaataggt cctttggtcc taccggcgtc aagaacaact tctcttctc aacgtcccta 300
 atccgacgtt aaatcctcaa ccccgaatg gnaaccatac ntaccggatt tcaagctggg 360
 cttcgaacac ttttgcattc acgcangagg caaanccgtg atngacgagc tccaaaagaa 420
 tctacaacta tcaggagaac ac 442

<210> 9247
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-121-Q1-E1-B4
 <400> 9247

acgccnccgt agcctcgaaa attcaagggn cgaccgaccc gtcggntcaa acntaacaaa 60
 ngcttcagac ttcaattctt tagctacctc tctcccatgg cagtaagtgt tttctttcct 120
 tctttccttc tctcttctt cttatttagg tctagagctt tctctcagat tatagttttt 180
 gtttcgattc cgtcaatctc tgaccctttt tttggaggat ttgtagaaag ttgagtctta 240
 atctatttgc atttatgggt cttcctattg agataacatt tctatggatt gcgatgtcta 300
 ttaagtattc aactttatga ttctgatttg cnttagataa gaaaagggtt tatgaaaagt 360
 tactattttt aagggaagag ttccaatttg cctaacaaag gatttcactt taacaatggt 420
 acctggggcg aaatcgatna anccaaattg gtanttggtc ctgggttttg gatttcctaaa 480
 gtgg 484

<210> 9248
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-121-Q1-E1-B9
 <400> 9248

tgcccnngga ccgtaccagt ccatgaaatt cccgggtcca cccacgcgtc cgaacacgcg 60
 tccgcccacg cgtccgctgg gtttttctt actctctaag anaaaccact actttggttn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnttcgcn gagctggcgt cgtcacgcgc gaagaaatcc gtagcgcttc 300
 tgctgtttct tctgacnnc cgtctcttta tcttcccggt atcaagaccc ctgtttcggt 360
 acncattcct caagctattg gggtatccaa gtgcatctgg agcagggtcat gaattgcaac 420
 agnggc 426

<210> 9249
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-F9

<400> 9249
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 ttccgattta gggttacca atcttcgcca tgtatcgcac ggcagcttca cgagccangg 120
 ntcttaaggg agttcttact cgtattttgn gaccagcgcg ttatgctagt tctantgctg 180
 ttgcgagagac gagttcgta acgccggctt acttgagctg gttgagtggg gggctctcgtg 240
 ctgcgcttac ttcattggat atgcnctat naggtgtttc tcttctccg ccgcttgctg 300
 ataaagtcta nncgagcaaa ctnagatca ctacncttcc aaatggncct aangatancc 360
 tcagnggacg actccgaatc ccggcanctt cgatnggntt acangttgaa ttgcggggtc 420
 natta 425

<210> 9250
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-C5

<400> 9250
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 ggattcttta aactactaat aatggatttt tgttgtgtct taatgaaata atgggagcag 120

ctgaagcaag agcattgtgg caaagaacag ctagtcgttg ctttgttggt catgaggatg 180
ctaagatggc tccgaggtta gcttgttgcc aacaccaaca atcttcttcg ggcaacaccg 240
aaaaaaacag cttttcttcc ggaagttttg gagattcctc tgatttctct tgtgatacca 300
aatggtggct taagggatca actggttttg atgaggaggt tacaaactcc tttcttgaag 360
ataccaaatg caagaaattg catgaatttg tcgacttaat cggaatacga gaagaagaag 420
actacagctt tattagcaag aaagctgacg cctaca 456

<210> 9251
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-120-Q1-E1-C7

<400> 9251

gagagaaacc tgagaaaatc gaagatggct acgaacattg ggatgatgga ttctgcatat 60
ttcgtcggga gatcggagat tctggcttgg attaactcta ctctccaact caatctctcc 120
aaagtccaag aggcttggtc aggcgctgtt cattgtcagc tgatggattc ggtgcaccc 180
gggactgttc cgatgcacaa ggttaacttt gatgcgaaga gtgaatatga gatgattcaa 240
gaactataag gttcttcagg atgtgtttta taaactcaag atcactaagc acatcgaagt 300
gagcaaactc gttaagggaa ggccattgga taacttggag tttatgcagt ggatgaaaaa 360
gtactgtgat tcctgttaaa tggg 384

<210> 9252
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-D11

<400> 9252

gaagtcacat gttccttctt cttcttctt catcatcccc aaacacacac aaactaaaaa 60
aaaggcaaaa ccttagatcc aaggatcaga cctaactctaa tcgaaactca tagctgaaaa 120
atgaaganag atcatcacca attccaaggt cgattgtcca accacnggac ttcttcttca 180
tcancatcan tctctaanga taanatgatg atggtgaaaa antgaagaag acggtggagg 240

taacatggac gacgagcttc tcgctgtttt aggttacaaa gttagggtcat cggagatggc 300
 ggaggttgct ttgaaactcg aacaattaga gacgatgatg agtaatgttc angaagatgg 360
 tttatctcat ctccgcgacn g 381

<210> 9253
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-D2
 <400> 9253

taaagctgtc ttctccttag cgagcaagat tgcgccaagt gtcatttttg ttgatgaggt 60
 tgatagcatg ttgggtagac gtgaaaatcc aggggaacat gaagctatgc gtaagatgaa 120
 gaacgagttc atggtaaact gggatggttt aagaacaaag gatagagaac gggttctggt 180
 actcgctgcc accaacagac catttgacct agacgaagct gttattanac ggcttccccg 240
 gagattgatg gttaatcttc cagatgcaac gaacagatca aagatcttga gcgttattct 300
 agcaaaagaa gaaatagcac caagacgtcg atttagaagc tatagcaa atgacangat 360
 ggggtactcan gaagtgactt aaagaatctg tgtgtgaccg ca 402

<210> 9254
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-120-Q1-E1-D4
 <400> 9254

aaattcaatc atcaatgtta acggacgaga gagaagtagt ctgtgtcacc ggcgccagtg 60
 gctgcacggc ctctgtggctg gtccatcagc tcctcctcgg cggtactacc gtccacgcca 120
 ccgtgaaaaa cctccaggat gagaaagaga cgaaacatct agaaggtctc gaaggtgcag 180
 ccacacgcct ccatctattc gagatggatc tcctacaata cgacaccgtt tccgccgcca 240
 tcaatggttg ctccggcgta ttccacctcg catcaccttg tatcgtcgat gaagtccaag 300
 atccccagaa gcaactactt gacccggcgg ttaaaggaac cataaatgtt ctgacggcgg 360

caaaagaagc cagtgttaag agagttgttg tgacgtcttc

400

<210> 9255

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-120-Q1-E1-D5

<400> 9255

acgcgctcnc ccacgcgtcc gcacgatcga gcaagagaga gatggatggt cgattacctg 60

acaaaggcat tctcaagagc gaggtcttaa aacagtacat catggaaaca acagcgtatc 120

caanganaac acgaattgct taaagaactt cgagaagcta caatccagag atatggaaat 180

ttaagcgaga tgggagttcc ggttgatgaa agtctatatt tctcgatgct tgtaaagatc 240

atcancgcga aaaacactat cgagatcggg gtgttcaccg gttactcact tttcaccgta 300

gctcttgctt tgctgaana tggncgtatt actgcgatag acnttnatca agcangttac 360

aatttgggac nannanntta tgnnggaang gcaggggggt ggattaacaa n 411

<210> 9256

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-120-Q1-E1-D7

<400> 9256

taagaattcc cgggncgacc cagcgctcnc ttcaaaaggt cttgaacaac taagggctag 60

cgattcaacc gcggacaata acgaagaaga acacgctgca aagggacaaa gtttggttaga 120

agagatcgaa cgagagtctg aagctgctac agagagcctt aagcaacttc aagttgatga 180

ttctactgaa gacaaagaac actttacagc tgcaaagagg caaagtctgc tggaagagat 240

tgaacgtgaa tttgaagctg caacaaaaga tcttaaacia cttaatgatt tcaactgaagg 300

cagtgtgat gatgaacaat ctgcaaagag aaacaaaatg ttggaagata tcgaacgcga 360

atttgaagct gctacaatag gtcttgaaca actaaaggct aatgatttct ctgaaggcaa 420

taataatgaa agaacaat 438

<210> 9257
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E11

 <400> 9257

 cgcccgggtac cgntcaagaa ttcccgggtc gacccacgcg tccnaaccaa cgcaaaaagaa 60
 caatgtctaa cgttgtagta atcgccgttg ttctcatcgt agcatcgcta acaggacatg 120
 tgtcagcaca aatggntatg tctccgtcgt caggaccatc ggggtgcacca gactgcatgg 180
 cgaacctaat gaacatgaca ggctgtctct cgtagcgttac ggtaggacaa ggtgggtggg 240
 cggccaagcc gggcaagacg tgttgtccgg cgctagcggg gctagtggan agctcgccgc 300
 actgcttatg ttacctctc tccggtgaca tggnggcaca aacttggnat caatattgat 360
 annghaaagg gctctcaaac ttcccggagt ttgaggcggtg attagctccc gattcctcaa 420
 ntttggttcn cttttttggg aatccctggg tggngc 456

<210> 9258
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E2

 <400> 9258

 ccgggncgac ccacgcgtcc ncagaacct acagatcatc ccctacctcg ctgcttcggg 60
 tcgaatcagc gtagcgggtc aaaattcacc tgagaaaaat gttcgcgagg cggttcactt 120
 cgttcttcaa aggatcttca acctcaagcc cggacaaaac agctgggaca ttgggctctt 180
 ttggtcgcaa ggtagtgtct ttcgtcttga ttacagtcac tggtaggtgtt gctttgagtg 240
 ctctcgatga tctttctatc tatcgtggat gtagcagcaa ggtagtgag aaggtgatga 300
 atagtaaggt gatgattgaa gccatcggag agccaattga gaaagggcca tgggtacaatg 360
 cttcactagc tgtttctcac caaangcact caagtgtctt gttcattccc tgtgattgga 420
 ccac 424

<210> 9259
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E4

<400> 9259

tatccgcgag cnaacnggtca agattccccg gccgacccac gcgtccggaa gcaccaaccg 60
 acacaagttt tggatctcaa attgtgtctg cgaccgcggt gtttccaaca ctttgagcaa 120
 gttaaagaga gagagctttt attctttgga ggatctaaat aggtccaagc tcgtcatgca 180
 gctaggaaaa agaagaggat taatatacag ttattagaaa cattaaagtt tcttctgtgt 240
 tttgtagaac aaggagatga tgcggtacaa agaggagaaa gaggtgaaga aggaagcttt 300
 caggaagtat ttggagtcaa gtggagttct tgattctctt actaaagttc tggtttctct 360
 gtatgagcag aatgacaagc cttctctctg tctagaattc attcaacana agctaggtgg 420
 tccatcagtc tctgactatg agaagcttca 450

<210> 9260
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E5

<400> 9260

aaaactactg cagaacttga gcaagaggaa ctggagaagg caccaaagtt caaagcaaaa 60
 cctttgaaca aaaagatatt tgaaagtaaa ggagaaatgg gtatcttttg caacaccaag 120
 aagcacataa cgatacctca agagtttcac tttgagacag atgagaggat atcacgacca 180
 gaatctgtct tagatatatt ccgacaagct ctactgaac tccgaatctt gccatgaaaa 240
 acctctacca aggaacactg ctccaaaccc cttcaatctt aagacagaag aaagaggcgc 300
 tgagaaagag aanaaatttt atatggaact catgtctaag aaattaggan atgtaaaggc 360
 aagagttcca aaggcaaatt catatcctta cagcaggggn ctaaccc 407

<210> 9261

<211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E6

<400> 9261

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acgcgtccgc cttgaaagag agattgaagt actaaagcct aaagtaagag agaacatatt 60
cgtgtcgtct tccacagaca aagacgcgat gaaaaagaca attctttcta ttcattttct 120
ggacagtctt ggnetctctt atcattttga gaaggaaatc gaagagagcc taaaacatgc 180
tttcgatgaa gatagaagat ttgatcgctg atgaaaataa attgcacaca atctccacca 240
tcttccgagt tttcaggaca tacggttact acatgtcttc ggatgttttc aagatattca 300
aagganacga tggtaaattc aaggaaagtt taataagaag atgtcaaggg tatgctaagc 360
ttctacgaag cagtgcactt tgggacaacg acagatcata 400
```

<210> 9262
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-E7

<400> 9262

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tnagccggcc ggtaccgggt canagaattc cgggngcgac ccacgcgtcc gctttcatcc 60
gcaaggtcta ttccatcatc tccatccagc tgctcgttac aatcgccgtc gctgccaccg 120
tcgttaaggt tcattctatt tctgtattct tcaccaccac caccgccggc ttcgctctct 180
acatacttct tatattgact ccattgatcg ttatgtgtcc tttgtattac tatcaccaga 240
agcaccctgt gaactatctg ttactcggga ttttcaccgt cgctcttgcc tttgcgggtg 300
gcttgacctg cgcctttaca agcgggaagg tgattctgga atctgtgatt ttgaccgctg 360
ttgtggtcac atccctcact ctatacactt tctgggcggc caaaagaggc catgacttca 420
acttctcgg gacctttctt gttcngtgct gtc 453
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<210> 9263
 <211> 381
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-120-Q1-E1-F10

<400> 9263

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tcttatccgg aaaccaaaaa cttccggtga taaaacctcc ttcgtcatct ctctacttct 60
tggataaaat ggcgtcaact ttcactgccca catcttctat tggttcaatg gttgctccga 120
atgggtcacia atcngataag aaacttatca gcaagttgtc ttcaagctca tttggaagga 180
gacaaagtgt gtgtcctaga cccagaagat ccagttctgc aattgtgtgc gcagcanagg 240
aattacattt caacaaagat gggactacca ttaggagact tcaagctggg gtcaacaagc 300
tcgcagatct tgttgggtgtt acacttggac ccaaaggacg aaatgttggt cttgagagca 360
ngtatggatn aacacgaatt t 381
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<210> 9264

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-120-Q1-E1-F2

<400> 9264

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tcaacaaaaa aaccaattgc gtaaactt tcccttgaat acagagatca cattcgatca 60
gcgagctgat ttctcacaag ggatatcaaa atttctggtg aagtgggatt gtaaaattcg 120
gcgttgaaaag atatataaag agtggaaggt tctggagtcg tttcaattca tggatgatgg 180
tactcctaag aagctaaaca tattacctga tcaactttagt gctcctagtc ccacagcaga 240
atcttctcag cacgatactc catcatcttc gcagccaaag gacgatagtt ctctgaggcc 300
ttatagccag tcacggactc gcagaaacct gaaaagagca gcaactatgt tgaatttggt 360
cactcttcgc cgtctgcctt gggtttcaga tgggtcaagag 400
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<210> 9265

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-120-Q1-E1-C3

<400> 9265

angatcccc aaagcgagtt catcatcttc ttcgctgga ttgatcaag actagcactt 60

tcatcagatt tgattacaat ctctcttatt ttccaagtta taatcataat atccgaggca 120

atttgggatc tgggtctttc ctctacattc aatttcttaa taaagctggc ctctttcttc 180

cgagatgggt cttgagcgat gatgagtgc tctcagcgat cactttctgt gcgattgagc 240

cgccgggggtg agagaagcaa tcattactca caatctaaag atgctgtggc tggcttcttc 300

tctcccacca gattgcatgc tgattacact ttgaaaaaaa tttggaaggc aggcttcctt 360

cgcttgcttc ttgttgggcg gcattgtctg ggatgctnct cattcta 407

<210> 9266

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-119-Q1-E1-G5

<400> 9266

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cgcttcaagc accggttggt tgccttagtg ttcttccan acaattgggt gtctctgctt 120

tacttgtaa ctgctctggt tcgaaaacta ggagtctcan gaaaacantt ctggggtaac 180

cagacaaaa atgacaagtc tcanctgct acagtgaatc ttctctgca tcttcngagg 240

tataagagta tcaaatgtct tttcagctcg cactctgatg gnaccggnag cacagcagag 300

aatttcaacg agaacgatga gngattatgt caagtcnant gtattggnag ccgttgaagt 360

aaaaattggg ccacatgggg ttcan 385

<210> 9267

<211> 334

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-119-Q1-E1-G7

<400> 9267

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cattgtgggt gttgcacgta ctccaatggg tggctttctc ggatctcttt catctttacc 120
 tgccacaaaag cttggatctt tagctattgc agctgctttg aagagagcaa atgttgatcc 180
 agctcttggt caagaagttg tctttggcaa tgttcttagt gctaatttgg gtcaagctcc 240
 tgctcgtcaa gctgctttag gtgcangaat ccctaactct gttatctgta ctacagttaa 300
 caaggtttgt gcatcacgna tgaaagcggg aatg 334

<210> 9268
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-119-Q1-E1-G9
 <400> 9268

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 taagcaaaac aattttgtcc tactcttagg ttatctccaa tgaagaactt aaagatggtt 120
 ttcttcaaga tcctctttat ctctttaatg gcaggattag ccatgaaagg atctaagatc 180
 aacgtagaag atctccaaaa gttctccctc caccatacac aagaacaacc tccaaacctat 240
 aagccttcta ttgtttcttg tcgtttttgt gtggatcctc tacatgttaa cccgacctaa 300
 acccgtttac cttgttgatt tctcctgcta ccttccaccg tcgcatctca aggtcagtat 360
 ccaaacctaa tgggacacgc aagacgtggc aagagaaanc aggcnaangt ttgggaagaa 420
 caanaggag 429

<210> 9269
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-A10
 <400> 9269

tatcgaanaa gatgatttaa gaaagactat tggagagggc attgcaagct ccaagattct 60
 cactagcaac gctattgaca tcttccacac tgncttanc gccatggcca agcttaactt 120
 ganggtccag gacttcaana acatnacagg cggaatcttc gctccttcag acaaaggagc 180

agctcccgtc aacaaaggaa nccctcctgt tgctgatga ttctcccgtg gccgatccaa 240
 gatggctcctg ctgcgccgtcc tcntgaanga cattgacgan accngaatec caacatgggt 300
 ttcaggtggc tgaccacgga agctcatgac taacgctgga ngttggcaag taangacggg 360
 ggtgctacgg atcaggngca acctttggng gtgggnacgg acnggnangg acaagtttaa 420
 aaacngttca aca 433

<210> 9270
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-120-Q1-E1-A2
 <400> 9270

aatttcacac ttgttggttaa gccacaaaa acaggagggtt attctactgc agtcgttgat 60
 tttagtagtc cggaagaagc aatgaagca ttgaaaatg ttgaaggaga cgtagctaag 120
 gataaatcgg gtttgccaca aaaaaaggct gtgttgaagc tgagttctgg attagcagtt 180
 agtttattcg ttcgtaaaat ggttcaagat gattctcctg gtgaaatctc tacctccgag 240
 agagctcgtg cagaggagaa caatgtgagt tctaagagac agaagacgga agatgaaact 300
 gaggagacca aagaagcaac tgtaaaccaa agagaggctg ataagacaaa gcttttcctt 360
 cataaaatcc cacacgatgt tccatctcaa ggagttacat ggag 404

<210> 9271
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-A5
 <400> 9271

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 gtcaaagggg aactcgaaaa aaaaggctga aggagggtgat aaagcgctct ctggttcagg 120
 gaacgatggg gcctctcata gtgatgaaag tgtcacagcg ggttcactctg atgaaaatga 180
 tgagaatgcc aatcaacagg aacaggggtc aattcgaaag ccaagctttg gacagatgct 240
 tgctgacgca agttctcaaa gtacgactgg tgaaatccaa ggttcggtgc ccatgaagcc 300

ggtagccccg gggactaatc tgaatatcgg gatggactta tggctcttccc aagctgggtgt 360
accagtgaag gattaacgaa agctcaagcc ngcaag 396

<210> 9272
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-A6

<400> 9272

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tagcaagaaa gcagccgtag aagctcaact taggaagatc gaggaaaaat tagagaagaa 120
aaaagcgcag tacggtgaga aaatgaagaa caaagtagct gcaatccaca agttagcaga 180
agagaagaga gcaatggttg aagctaaaaa aggagaagag cttctcaaag ctgaagaaat 240
gggtgctaag tatagagcca ctggtgtagt accaaaggca acgtgtggat gtttctaagc 300
ctttattgaa tttgtatctt tgtaacaatt catctcnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 400

<210> 9273
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-A7

<400> 9273

acgcgtccgt gcaattaaat cggtagagtg aggcannnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnccta tcatctctga gagttttctc gagaaacttt tgagtgttta 120
gctactagat tctgaattac gaatcatgga aggaattgat cacctcgccg atgagagaaa 180
caaagcagag ttcgacgttg aggatatgaa gatcgtctgg gctggttccc gccacgcttt 240
tgaggtttcc gatcgaattg cccgccttgt cgccagcgat ccggtatttg agaaaagcaa 300
tcgagctcgg ttgagtagga aggagctgtt taagagtacg ttgagaaaat gtgcccattgc 360
gtttaaaagg gattatcgag cttccgtctc aatgagggaa gaagcangg 409

<210> 9274
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-B1

<400> 9274

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aacgtagccg tcgacaccgc tcggctcata cggcggaacg cggcggcgctc aacagaccaa 120
tatggtaaga cgggagttgc tcaatcgaga cttattttcc ggtcacgtca gcttctcgaa 180
agagcaaaag aaacaggagt cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnngagga ttgggttctt tggntggat cttggatgg ttaaatacaca cccagttgtg 300
acaaaagtgc tcaattcttc tcttatttac attgccgcgcg acttgtcttc tcagacgatt 360
gcgaaaactt cttctgaagt cttatgactt ggtgagaaca ggcanggggt tgg 413

<210> 9275
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-B12

<400> 9275

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tgaatgcaca tccagaatcc agggcagaga tcatgtggct agttgacaca ttcagagca 120
agagttgtag atatagcgga acatgcattg actatcgagg taactggaga tcctggaaaa 180
atgattgctg tagaaagaaa ttgaaaaag tttcagatca gagagattgt naggacanga 240
aagatagcac tganaaggga aaagatgggt gcaactgctc cattttggcg attttcagca 300
gcacacctatc cagatctcaa ggagcangcg cctgttagtg ttcttcgaag tagcaaaaaa 360
ggagccattg tccctcaaaa ggaaacatca ncaaggggag aagnttaanc ccgttgaagc 420
ccattttttt 430

<210> 9276
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-B2

 <400> 9276

 atgtctggtg gtggaggaag taaatccaaa agtaaaaaaa gtaaactcaa agctaaattg 60
 ggaaagaaaa aaggtatgtc cggaggcatg tcaggaagtg aagaaggtat gtctggaagt 120
 gaaggaggta tgtccagtgg tggaggaagt aaatccaaaa gtaaaaaagt aaactcaaag 180
 ctaaattggg aaagaaaaaa agtatgtccg gaggcattgtc aggaagtga naangtatgt 240
 ctggaagtga aggaggtaaa cacggagggtc ttggaggtaa attcggaaag aaaagaggca 300
 tgtccggaag tggaggaggc atgtcaggaa gtgaaggagg tgtgtctgga agtgaaggaa 360
 gtatgtccgg aggtggtatg tctgggggta ncggaagtaa acac 404

<210> 9277
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-120-Q1-E1-B3

 <400> 9277

 acgcgtccgc tcgacgagaa aaaatggcaa ccatttcgaa tctcgctaan cttccccgcg 60
 ccacctgcgt cgacnccaaa tcttctncct ctccnccgt cttacctana tcttctgtca 120
 atttcngcgc tttgaatgca aagctttcct cttctcagct ttctcttcgt tanaaccaac 180
 gatcaatacc ttccctctct gtgaggtgtt cagtgtctgg tggaaatggn actgctggna 240
 agagaacgac tcttcatgat ctatatgaga aggaagggtca gagtccttgg natganaatc 300
 tttgccgtcc agtcacagat cttctcccgt tgattgcncg tggngttana ggtgttacta 360
 gcaaccctgc gatcttccaa aagagccaat tccaantcaa atgcttatt 409

<210> 9278
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-B4

<400> 9278

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ggatagcttc aacgtctccg atcttactgc tgctcttaag gacgaggatc gagctggcct 120
tgtcaatgct ctaaagaaca agctgcagaa tctggctggg cagcgcttctg atgtgctcga 180
gaatctgact cccaatgtga gaaagcgcgt tgatgccttg agggatatac agagccaaca 240
tgatgaacta naggcaaaat tccgtgagga gagagctatt cttgaagcca agtatcaaac 300
gctgtatcag cctttgtatg tcaagcgta tganattgtg aatggcacta ctgaagttga 360
actggctcca gangatgatn ccaaggtgga ccaaggagag gga 403

<210> 9279
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-120-Q1-E1-B7

<400> 9279

tccggctatgg agatctccgg cgacaagatt gatttgaagg acggtgaagc aacaacacca 60
ccaaaaacag atatcgagtc acagattctc gcggctatgc agtcccgagt aacctacctc 120
agagataaag cagacaactt cacctttgaa ggtgtgcgga gggtgctgga ggaggatctg 180
aaattggaga aacatgcttt ggatgtgcat aagagctttg ttaagcaaca tttggttcag 240
tgcttagcag gtgctgagaa tgatgaaact tcagaaaatt ctctagaaac tgagaagaaa 300
gatgatgtaa ctccagtga agaagcagca gagttatcta aagagcacac gacgaaaaaa 360
gatggtaagg aagatatgac tgggtg 385

<210> 9280
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-120-Q1-E1-C2

<400> 9280

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 cagagcagtt tcttacagga aactattgta agtatggctt tagttgggtgc catgattgggt 120
 gctgcagctg gaggttggat caatgactac tacggtcgta aaaaggcgac tctttttgca 180
 gatgttgtct ttgcagctgg agctatcgtt atggctgctg ctctgatcc gtatgttttg 240
 atatcgggtc gtctcttggg cggtttanga gttgggtgtg cttctgtgac tgctccgggt 300
 tatatagcgc gaagcatctc catcggaagt taagaggtgg acttgtgagc accaacgtat 360
 tgatgatcac tgggtggacag tttctttcat atcgcgttaa 400

<210> 9281
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-119-Q1-E1-G12
 <400> 9281

aaccatanga gatccctcaa gaagtggagg ataaaccaca ganatcatta cnatgagaag 60
 cancangaaa atcaagacct acttatccgc tccattgttc aacacttggg attccagggg 120
 aaccgacctc tcacagcatg tatcatttac aaatgtttac tgcaatggag gtcatttgaa 180
 gttgaacgaa ccagtgtctt tgatcgcatt attcanacaa taggccatgc tattgagact 240
 caagataaca acaatacatt ggcctattgg ttatccaata cctcgacact cctattactc 300
 ctccagcgcg cactcaaagc tagtgggtgca gctgggatgg ctccgcagcg ccgccgttca 360
 tcttctgcca ctctatttgg caagntgagt cngagcttcc gcgggggaac cccaggtgt 420
 taatctt 427

<210> 9282
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-A9
 <400> 9282

aagatttcat gactgctgtt gaattctcaa agcaacatcc ttafggtaaa gctgtgggggt 60

tactcgattt gaagttcggg tctattgagg caaatgagaa atggctgggt ttgcctggaa 120
 tggatatctt tttcatactc agtgatcttc ttaagaagga aggccttagt gcagccgcaa 180
 aagacacggg gaaagctaata ggaataacag aggaaagtac ggagattgat gttttgagtc 240
 aagaaaagct agaagaagaa acaatgatgg atgtggatac gactacacca gttgctgtag 300
 cggccgagaa gatcaacggg ggtgctaggt gcttttcgaa ggagctaaag tgggaacatg 360
 attgaagaaa nanggtgggc aactgttggt ggtngtggag gttgttggtg 410

<210> 9283
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-B1

<400> 9283

cncgtccgag ggagaaaaat cacacaacca aagcgtttag aaaaaaacag cgataaaacc 60
 gaaacatcaa gcanacaaaa aaaaaagaga agagaaatta tttttttttg ttttcgtttt 120
 caaaaacaaa atctttgaat tttatggcaa cccgtcttct ccgaacaaac tttatccggc 180
 gatcttaccg tttaccnct tttagcccg tgggtcctcc caccgtgact gcntccaccg 240
 ccgtcgtccc ggagattctc tcctttggac aacaagcacc ggaaccanct cttcaccagc 300
 caaaacccac cgagcantct cacganggtc tcatntcnc cggatcaang cccgtctttt 360
 cncctcnatc ccaacctctg atcncnccg ttccaancgc cgttggtgca tgcggngggc 420
 gataggtcct aagg 434

<210> 9284
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-B10

<400> 9284

gcgaacgtct acgccgnccg gaaacggtca naaattcccg ggnccgacca cgcgtccnat 60
 tggctctgcg tacatacttt gctggtgtct tctacagcaa cttctccaac aaccaatcaa 120

ctcgggcccc atacttttgc tgctcctcca aatcttagca attttatgtc tttcttctag 180
 tgattttcaa gttaatgaat gggtcgagat tactgcactc tattacatgg gaatggcagg 240
 tcactttgct cttggaaaca gcaacacttt agcaacaatc gatgttgctg gtgcttttat 300
 cggaatctct agtcattcta caatactctc tgggatcttg atgttcatga tcacctatgc 360
 atctcccatg ctgttccttc tancctcgt catggtacat tgggtggcaaa tcttanaaac 420
 caactcaana ctnaaanaat tatcaagctc aacnggggaa a 461

<210> 9285
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-B11
 <400> 9285

tgagcgaaac cgaagcaacc ggcgttaccg atgattcggc tccagcgatt gagactgaaa 60
 ctgtttctga tgcgatggag catacagcga tcggagtggg tgaatcgggt gaaggagcca 120
 tagaaggagc agagaaatgg gtgggtgatt tgcaacggac ggtgaaggaa tcgaaggata 180
 ccgcaatgcg ttctgctcgt tcctccgtg aaaattctac ctctcagttc cgctctatac 240
 aggatttcat tccacatgct ttgactcagt ataagaccta tgagaatgct ttcttcagta 300
 aagttacaga cgaattgcta tcaagcttag agctgaagtg gcttccatga ctctcgctttt 360
 gaanacagan gaggattgcn ttggagcaag ag 392

<210> 9286
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-B12
 <400> 9286

ctttcaagtc tgaaacttga actctgtttc taatttactt caaaagctat ggcgtcgcact 60
 tcaacatcat cttaatggc ttctaaaact gtaatctcca aaacagctct gttttcttcc 120
 ttaccgggaa tagtcagccg gagtttttta acattcgcac cggttctctc ttccgttaaa 180

ccccttagga taagatcttc aaatgttact aagttcgatg aagtaaccaa cagtcttgac 240
gaagacatgg accagattcg acggttacia aacggttctg acgtgagagg agtcgcattg 300
gaaggagaga aaggctgaac aagttgacct aacgcctgca gctgttgaag caatcgaga 360
gaagctttgg agaaatgggt tgcagcaaac ggagaantaa cgga 404

<210> 9287
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-118-Q1-E1-B2
<400> 9287

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agatggattg tactacaagt tcgttgatt tcgagatcag gatgttccaa gtctgtctag 120
ctttttccaa agttcttatg gaaaaacacc ggatgagaag caattatcag ttagtggtcg 180
taattgggga gaggtggatt tacacgggaa tacactaacc tttttggttg gatcaaaaca 240
agcttttgaa gtatcttttag ctgatgtttc acagactcag cttcaaggga aaaatgatgt 300
tactttggga gtttcatgtt gatgatactg ctggtgctaa tgagaaagac tcgctgatgg 360
agattagttt tcatattcct aattccaaca ctcatgttgt tggatgatgaa aa 412

<210> 9288
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-B4
<400> 9288

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aatgataatt accaagtatg gagtaaagga agagaattgc atcaggagaa gttttttggt 120
gttggttgga attacagatt aatttgtgga atgtcgtcgt cttcttcggt tttggaggga 180
aagccgaaga aagatgataa ggagaagagt gatggtgttg ttgttaagga agcttcttgg 240
atagatttgt atttaccaga agaagttaga gggtatgcta agcttgctcg attggataaa 300

cccatgtgaa cttggttgct tgcgtggcct tgtatgtggt cgattgcgtt ggctgctgat 360
cctggaagcc cttccaagtt ttaantatat ggctttatatt ggttgcggga gcattacttc 420
ttaangtg ctggttgt 438

<210> 9289
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-118-Q1-E1-B5
<400> 9289

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tggttgattg ttctcatgga aaacaacttt gggaactttc aaaagaaaag tatgagcctt 180
tatgggtatc tggaggagga cactgcaatc tagaactcta tccagagttc ataaaacatc 240
tgaagaaata cgtaatttct atttccaagg gaccaagaac tggttcgaac aagactgcaa 300
cgacggatgc agccaaaaaa cagagcaagc ctgcagagaa cgggcgtgct gatacgtttc 360
aacttggctg ttgccttcca agaagtttct agaaacagtg tagacagtca gctggagaaa 420
tctaagaaga ctagtaaacc cgagaagtct cgtatgagca ttga 464

<210> 9290
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-118-Q1-E1-B7
<400> 9290

cctgtcttct tgtcttgctc aaaatcggat ttttaagagt acaagtgagt ttattttggg 60
ggccgaaatc tgtcctggag gatacagaag caagatgaag ttaatagatc gaagaatgag 120
gttaacggag ctgctcttac ggtgctccat cagtgtcttc gctctcctcg cgcttattct 180
agttgtgaca gacactgagg tcaagcttat cttcactatc aagaagacgg ccaagtacac 240
ggacatgaag gcggttggtg tcttggtggt ggctaattggg atagctgcgg ttatttcttt 300
gttgcaatca gttcgttgcg tgggtgggtac gatgaaagga aaggttttgt ttaagtaagc 360

ctcttgcttg ggcctttttc tctggtgatc aggcgatggc gtacttg

407

<210> 9291

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-B8

<400> 9291

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atttcgacgc tttcagactt cctgctcgtc ctgatcattt cgaacctttc cttcaaggag 120

gctttgagca ccagtcgcct ttccacccgc tggagacaca tatgtcgcga aacgagaaac 180

atctctttca gagaggacga gatcgtgaca ttcgctgatg attccgttgc tcgctattac 240

caaagggctg cattagttgc ctatatggtt gggtgggtta acaattttac cgggtggagt 300

gttgaaagct tcgagcttcg tctctctaata tcgtatgctt ttgaagaagg ggtcaccaca 360

ctgatcgaat tcgctgtctc caagaatgtc aagcatcttt ttcttg 406

<210> 9292

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-118-Q1-E1-C2

<400> 9292

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aagagccaga tccttcgcaa ccaagttggc agagtgattc tctcgtggac tgggaaccaa 120

ggatatgtgga taaattcaat gcttttgcta acaagcctga tgttgctaaa gtggaagtct 180

acgcaaaggg tttgaggagc ctcttgaaat atatcaagga caaatacggc aatcctgaaa 240

tcatgatcac cgagaatgga tacggagagg atctaggtga gcaagacaca agccttgtag 300

tggcgctgtc agatcagcac agaacatact atatccagaa acatctcttg agcttgcacg 360

aagcaatttg cgatgataaa gtaaacgtta cagggtatctt tcattgggtca ttgatggaca 420

atcttgaatg gcaagatgga tacaaggcga agatttgggc tctactac 468

<210> 9293
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-118-Q1-E1-C7

<400> 9293

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tccagtccat tgctaaacct atgagtggta ttggagtcaa tcttgaccca gtgccagctt 180
tcagagacga cttctcggg aagaagctga catcgtttga caaactgata gagcagacat 240
gcagttcaat aaagaacgtg aggctttgta gtgagacaga ccaaaggcca ggtggcaaca 300
ctggaagcac tgggtgtggct cctgatgcag ctgagattca actcaagagc cccaattggc 360
tgtttggttc aagaaagccc gaagagagta gctctgccac aaaatctgg 409

<210> 9294
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 9294

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gacgttaaag cctcgccgga gaagataacc ggtgagaagg tagaggaaga tgagaagaac 180
aatccaggtg ggacagctca aacgagggat tactacttgg attcacgaag gagaagaagc 240
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gctaaggat cacctgaaac tgttggtttg tttcatggag cgaagttgct tgttactgag 360
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<210> 9295
<211> 407

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-118-Q1-E1-A8

 <400> 9295

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 gcataatggg tcgacatagg cctgaccatg taacaggaaa gcctatggac gagggatttg 180
 gtgccattgt taaaaactgc aagaagctaa ctgccttgc agtgtcggga ttgctgacag 240
 atcaagcttt taggtatatg ggtgagtatg ggaaattggt ccgtacgctt tcagtagctt 300
 ttgcaggggg acagtgacat ggctctgaga catgtcctag aaggttgccc tagactgcag 360
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<210> 9296
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-G1

 <400> 9296

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 agaaagcaat tcgttattga tgttcttcat cctggaagag ccaatgtttc aaaggctgag 180
 cttaaggaga aattggcgag gatgtatgag gttaaggacc caaatgctat cttctgtttc 240
 aagttcagaa ctacttttg aggtggtaaa tcttctggat atggtttgat ctatgatact 300
 gtcgagaacg ctaagaagtt tgagcctaag tacagactta tcaggaatgg acttgacacc 360
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<210> 9297
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-G11

<400> 9297

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cacgcaaaac gacgattctg atctcgcttg tctgatttca aaaacaatga gaagatagtt 120

ctgattatat aacacacaaa ccttacttca ttccttcac atcgtctcca atcattaccc 180

aaagatccgt ctttttcttt acttcatgtc gaagcaaacy taaaaagtgt gtttctgctt 240

tcgccggagg ttctgttaca ctgcatcgga ggcaccgct gagatcaaga ccattttcga 300

aaagtactca gagaatggag ttatgaccgt tgatcatctc cacaggtttc tgatcgatgt 360

tcaagaaaac aagataaagc cacaagagga agntgcacag tcaattattc a 411

<210> 9298

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-117-Q1-E1-G2

<400> 9298

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gccggaaaca aacagtttct ctctcagaac cgagttgacg caagctttcc tccttatgga 120

gtcactgtag gacaagccac cggacggtgg tccgatgggt ctatcgttcc tgattatctt 180

gctaaattca tgggaattcc taaaatctct ccgattctcc taaccacggc ggatttttct 240

cacggagcta atttcgcat cgccgacgct accgttcttg gctctctcc ggagacgatg 300

actttgtcac aacaaagtga agaaattctc ggnaaacaag gaataagtgg acaaatcaaa 360

cacgttctgg aagctatcta cntgatctac antgggntcc ggatgattac ntgnagctan 420

gctaggagnt aatncaaagt ccatcaggat actccag 457

<210> 9299

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-117-Q1-E1-G5

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gagcattaca agcgtaactg caagcttcga gctgcttggt gtgatcagtt gttcacttgt 180
aggttttgcc atgacaaagt aagcgaccac tccatggata gaaaattggg gacggaaatg 240
ctctgtatgc ggtgcctcaa ggtgcaacct gttgggtccca tctgcacaac accttcatgc 300
gacggattcc caatggcaaa gcactattgc agtatttgca aactttttga tgatgaaagg 360
gccgtttacc actgtccatt ccgcaacctt tgcccgggtc ggggaaagga ctaaggaacc 420
natttt 426

<210> 9300
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-G8
<400> 9300

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngagaagc aacatggccc 180
tcggtggctt gatttcaa at cggaacttcg gttccttcat cggtcaggc aatgggtgtc 240
agagacttgg aaaaagtggg gcagaggttt ccaagctttt tccaaatgca ttgttgtgcc 300
gtaatcatca acctctgcaa gctagtttac atcatgaatc gggacacatg agaagaagtt 360
ttggatgttt ccttcaacca agaatggaca gtgtaattag gtttaggaac agtatcaaga 420
tcaacangat ctctgtctta ctacaaatca 450

<210> 9301
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 9301

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aaatgatggt ctaatatgtt gggatgcaat taaagaatgg gtgacagact atgtgaaaca 180
ttactatcct gatgaagaac tgatcacatc ggacgaggaa ctccaaggat ggtggagtga 240
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acaagatgac ttgattgggtg tggttaactac gattgcatgg gtcacctcaa gtcaccatgc 360
agctgtaaac tttgggacag tacgggtatg gaggatactt tcccaaccgn ccaacgacaa 420
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<210>      9302
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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<400>      9302

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ttgggaacgt agccgaactc ttagagaaaag agaaactttc catcaactac gccaactgca 180
gaagctggca ctttgggtgt gagacctcta acatcataga cttcgacacg gtgcccgcga 240
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aaaccgtgtg caaagaggct tatttctatg ccaaaggact tgccctaaag aacgacaccg 360
tcaatgtttg gatctttgac ctagatgata ccctccctct ctagtattcc ctactacgca 420
aaaatatgga tacggga 437

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<210>      9303
<211>      468
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB24-117-Q1-E1-H3

<400>      9303

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 tcanagtcac cgccggccta gctctaaccg ccgtcactgg cagcgccacc gccgtgtcca 180
 tcttccgaga ctcaccttcc aataaaatag cgacgggtgt agaaggcgtc gtccgttctt 240
 ctgcgcgtat ctactccatc actctcactg tcgttgatta caaatatact ttgcgtagat 300
 taccagcaag attccgatga gtatcttcag agattaacag aggtgtacaa ttacatatct 360
 tacattcgty ttttaagtttt ggnttcatgg aattgtagtt atcaatggna ttaggccgat 420
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<210> 9304
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9304

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 gaacctcgag atatcaacat ccgatcattc tcttctgttc cttcttctcc tcgtaacgct 180
 tcttccaaat acgatttcgt caagggtcaa gtatggcttg gagacaacgc agatcactac 240
 tatgtttctgt ctcgattctt agtctgtaga atgttaactg ttactaagat cccaaatcat 300
 gaagctataa agattttctt tgaactcaag aagcttctaa ttgacaacag tcttcttgat 360
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<210> 9305
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9305

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aaaaaaaagg caaaacccta gatccaagat cagacctaata ctaatcgaaa ctcataagctg 120
 aaaaatgaag agagatcatc accaattcca aggtcgattg tccaaccacg ggacttcttc 180
 ttcatcatca tcaatctcta aagataagat gatgatgggtg aaaaaagaag aagacgggtg 240
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 ggcgagggtt gctttgaaac tcgaacaatt agagacgatg atgagtaatg ttcaagaaga 360
 tggtttatct catctcgga cggatactgt tcattaaaat ccgtccggag ccttaatcct 420
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<210> 9306
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-A1
 <400> 9306

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 cntcctttac tgcggnaacg aaggtgatat tgaatggntt ggctacaaac tctggantca 360
 tttggggata tccgctccca aagttcggtg cntgcccgtg ttttccccgn gcaataaggt 420

<210> 9307
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-A11
 <400> 9307

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tgatagaaat tggaggagat gggagcattc atgtcgaggt tttgggttcac gatgtttcct 180
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 agaacttcac gggcaacata ctaacgtgga acacatgccn tgaatggngg taaaagatag 420
 cacagacag 429

<210> 9308
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-118-Q1-E1-A5
 <400> 9308

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<210> 9309
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-118-Q1-E1-A6
 <400> 9309

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atgatagatc ttccatcttc atctcaagtt gaaacttcaa cttctgtagt atctaggtta 240
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gttgcccgcg aagtcttaca actgggttttg cgtgccaaac tgatgctctt ctactttgaa 360
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<210> 9310
<211> 402
<212> DNA
<213> Arabidopsis thaliana
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<400> 9310

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ttctagggtgt ttgaaggcat ttgaaaggat gggagacaat ggcaaagatg aaattatggt 180
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<210> 9311
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<210> 9312
 <211> 390
 <212> DNA
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 <223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-D11
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<210> 9313
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-117-Q1-E1-D12
 <400> 9313

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 aaaagccatc tgtttgggcc cgcaaggatc gaggctgctg anttcgatcg attgcctagg 360

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409

<210> 9314

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-117-Q1-E1-D2

<400> 9314

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ctcttagaga aagagaaact ttccatcaac tacgccaaact gcagaagctg gcaccttggt 180

gttgagacct ctaacatcat agacttcgac acggtgcccg caaattgcaa agactatgtt 240

gaagactact tgatcacttc caaacagtac caatacgact ccaaaaccgt gtgcaaagag 300

gcttatttct atgccaaagg acttgcccta aagaacgaca ccgtcaatgt ttggatcttt 360

gacctagatg ataacctcct ctctagtaat ncctactacg ccaaaatatt ggttacgggg 420

aacaagagaa g 431

<210> 9315

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-117-Q1-E1-D4

<400> 9315

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ccatagtgtc ctcttctcct cgggatttag tacttcaaca aaaactccgg tttgtcgtgg 180

aaacctcacc ggaccgatgg gcttatgtca ttttttggca aaagatgttt gatgatcaat 240

cggaccggtc ttacttggtt tgggttgatg gtcatttctg tggaacaag aacaacagnt 300

tcccaaggaa aatgttcatt tttctttgcc tcttatgtta tctaataaaa atatccaaaa 360

tttatttaaa tcaacttcct aaaaaaattc tattaaggaa atnataaaaat ttncctaacc 420

cttgat

426

<210> 9316
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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cgtggaagaa cacaaggcaa tcgccattta cgctcctcan gaggggtggtt acgaangtcg 360
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<210> 9317
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 9317

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ggatacagtg aagacatgat tcctacgggc gggtttaaca tgaggaaagt aacaaangga 180
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<210> 9318
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-E4

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 gcttcgtggt tatttacaaa gttttagaat ctctccctat aatattaaaa agttagaagt 120
 acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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<210> 9319
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-E5

<400> 9319

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 caccagcatt gccttcttca gcagctgaaa cgaaagaacc atcagatttg gagacctcaa 180
 cgaggtttgc ctgagaaatc tgtttcgggt ctacggaatt ggatgttcca aaacttcctt 240
 cacccttacc cgaaagattc ggagaaacat cttctagcta tacgaagtgg cttgacaaga 300
 agtcagggtat caaactgggt tataaatgcy cgggttaggc tatggaagcc gatgatagaa 360
 gagatgtatg cggaaatgaa caagaggaag ctcaataaca gtcacattca acccaacgga 420
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<210> 9320
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-E6

<400> 9320

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ctgtcactga gtcttttctc ctctcgtcgc gaaagaatct ggcttgtctt ctcttgttg 180
cagaatcatt actgataggt ttggttgctg ttgaccagag gttgtctgtc aaggagggtt 240
acaaaagagg aagccgtatt gaggaacaaca aagatgctag tgacagtgc gatgacgacg 300
atgatgaaga cgctgatgag gacgacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt cctgtgacca 420
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<210> 9321

<211> 389

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-117-Q1-E1-E9

<400> 9321

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tctgtggcgt gtggacaaga gagattttac tctttggacc atcactagca ccaccacttt 180
gttctttgga atagagattg gggcctcat tgggttggtt ttttacttg catttggtat 240
acacgagtct gcaaaccctc atagatctgt cttggggcgt cttccaggga cactgtgta 300
cagaaacatg aaacagtatc cagaggcata cacttacaac gggattgtga ttgttcgaat 360
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<210> 9322

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-117-Q1-E1-F10

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ctttctgggt ttgtagttag tttataggaa attcctttgt ctagtgttcc aaaatttgag 120
tagatcttga acaactttgc aaatcttggt gatcgatatg tttgggaatt gaaaatttac 180
tagatcttga atttctgagg ttttgtgtaa gcagttgaat gaagcagtag gtggttgagt 240
catgtttggg ctgtgatgtc ctgtcacacg catcacatga accttggctt tggatttaac 300
ggcgcgttgg aagtattagg ctaattatta acatggcttt tgttcattgg taagttaa 360
ttcacagagt aaagagattt tgatacattg ggacccaaag tgcaattt 408

<210> 9323
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 9323

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tggttaactaa atggcgagcg agggagttgt agttgtcgga ggggagagag aaggggctga 180
gatcgtgtac ggggcgagg aatgttacaa gcaatcattg gagcttctag aggagctagg 240
gtttccaaaa ggagtcatgc ctttgaagaa tcttgttgag tgtggaagag ttagagccac 300
tggttacgtt tggatgaagc aagacactcc ttacgagcat ttcttcgaag ccaccaacac 360
tcgtgtctcc tacggtctcg aagtcaccgc ctatgtcgac aagtgttgta tgaagaagat 420
gacaggagtt aagagttagc aanatgtttt tgggggggtac cgattcttgg aaataattat 480
ggngggag 487

<210> 9324
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-117-Q1-E1-F7

<400> 9324

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 gatttttgagt ttgctcataa tgagtctggg catggcaciaa gttcaagtag aagcaaagat 180
 ctgctgcctt tccaaccaag ctagaaatgg ctatagtgtg tgccgtataa ggtttttcaa 240
 gggaaggtgt atgcaagtga gtggatgcc aactctgat acatgccctc gaggttgggt 300
 aaacgccatt ctgaaaact cagctgatgc taccaatgag cactgcaagt taggggtgtga 360
 aacttctgtg tgtggtgcca tgaacactct ccanaactct gatgcaagtg aaattgtgaa 420
 tggaacgtcc ggaccatntn gccanggan gtcnatttt cgggtccaaa ga 472

<210> 9325
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-F8
 <400> 9325

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 ttcctcttcc nccatgttat tataattgtg anactcttca atcttttcan actcacntat 180
 cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaatc agctctctca tcacaaggct 240
 ttctggcttc aattccaaca aatcatattt canttatcaa anaacattaa accaatcana 300
 ttttgacaag gaaaagcaaa gttgtacct tttctgttcc ttgtggactt tcctctanan 360
 gctcntcttc ctcaagtgaa gntgacncat gagtttgttg aacattnaca angtcctatc 420
 ttgtggcggg ttcaacgcan tgactgggan tctgtttttg g 461

<210> 9326
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-117-Q1-E1-C9
 <400> 9326

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 gggttcatct attgaagagt taaagcaagg tctttgttgt acaaagactg tcacttttgt 180
 tagttctcgg anatgttcta cattgtgctt tgttggaaag tctcaagaca ctgaaacnaa 240
 ttcccaagtt gtacaaaaag aaggtgagaa ncaagtgatg ccgaggagga aaagtagtaa 300
 ctcaagccaa cttttggtgg aatatgtgtc taatgatgct aagtttgtga atgaaagaac 360
 ncnntaatga cttttgtcct ccaancncgt gggtagtaat nagactttg 409

<210> 9327
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-116-Q1-E1-A1

<400> 9327

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 tctatgggtt tcacgggttt ttcctatgcc tcttgtgggt cttttcctaa tcggggcctt 180
 ttgtgctgac tttggagatc agacctcaga ctatccagaa ttagaagcac tttcacggct 240
 tgactttgga gctgctatga aggttttcct tgctaagaga ttgacatccg agctaact 300
 agagacatca gatatagagg aaaaatctgt catcattggt gagagaaacc gagcagctac 360
 ggaagcttta agaagagcaa tanagcaagg acacaagaga attggattct atatggcgga 420
 ngccacatgc ccganctggg aagacaact 449

<210> 9328
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-116-Q1-E1-A11

<400> 9328

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aacagatcga gaagtacact atctctactc gttgtggttg gtttatgttg tttcttctat 180
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acaaagcaag cgcagtgtac tgacattgtc actgatcttg attttgaacc tcatcacaac 300
acagtgaaga tcccacataa agctgatccc aaacctgttt ctttcaaacc gtgtgatgtg 360
aagctcaagg attacacgcc ttgtcaagag caagaccgag ctatgaagtt cccgagagag 420
aacatgattt acaagagaag agacantggt cctccctgat aatga 465

<210> 9329
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-A5
<400> 9329

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gaccaaattc tgagtcggag aagatcgttg gagctaaaac aaaagaaatg gtggatctct 180
gtttctttat gtattttctt agtcttgctc ggagattctc tagtcatgct tctcttgaac 240
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<210> 9330
<211> 443
<212> DNA
<213> Arabidopsis thaliana
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<400> 9330

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gaacttcaat tgttgcaatc aagtacaaag atgggggtttt gatggcttct gatatgggag 180
gttcatatgg atcaacctta agatacaaga acatcgagag agtgaaggct attggttaagc 240
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ttcacaacta tctgacctgt gtgatgtaca accgtcgcaa caagtttaac cctctgtgga 420
acactctcgt ccttgagggc gtc 443

<210> 9331
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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ttctgaagag gatgtgttta ctgatgctgt ttgtgagttt tcgagatctg attctttcaa 480
ggaagagaca g 491

<210> 9332
<211> 474
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-A9

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 aaccataccta tgtacgggta ccctaagatc ggtcaacaaa ccgggtcccg cccacagttt 180
 ttctctccgc cggagagaaa ctcttcgttt caacataaca cttctccttc atctggaata 240
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 cgagtaggag atattcatcg gagtagtttt caagttcgat ttcggattag agaggaaagt 360
 tctcgcggag gcagagaaag ataatccaga ttggagtaaa tttgggagtg agaatccacc 420
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<210> 9333
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-116-Q1-E1-B10
 <400> 9333

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 ctagcttgct atcaggttca gaaacagggg catatctgca tcgtggaaat catgctcata 240
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 cttcaaccct gcaaagatgg gtcaggcctt tttcagctga aactggagat acngtggag 360
 cagttgtgcc tcatattngg ggaaatcant tactgatggc acgttgggca ctttctgaa 420
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<210> 9334
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-116-Q1-E1-B3
 <400> 9334

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aatcaaagtt caagagaata tgtgtgtttt gtggaagtag tgctggtaat aaagtcagtt 180
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<210> 9335
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-116-Q1-E1-B4
 <400> 9335

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 atagagaaat gggattgatt cgaactcagg aagaaaccgg aaggcatgtg agaatgttga 180
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 aattaccggt gattaaccaa gtgtttggta ctaagtangg ctgtaaaaat atctcctaata 420
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<210> 9336
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-116-Q1-E1-B5
 <400> 9336

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gcattaaccc gcttanagat atcgc 445

<210> 9337
<211> 431
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB24-116-Q1-E1-B6
<400> 9337

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gagatcaaga agacgatgac gaagcagatg acggcaagac gtgacgacac gccgttacac 180
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gtggagctga aagagttggt ggccgagcaa aaccagtccg gtgaaacggc tttgtacgtt 300
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aatctacagg t 431

<210> 9338
<211> 478
<212> DNA
<213> Arabidopsis thaliana
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<400> 9338

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aataatatag tggaaagctt aaactttggt acagacgtta gcagccagtt tggagttt 478

<210> 9339
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-116-Q1-E1-C3
<400> 9339

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<210> 9340
<211> 511
<212> DNA
<213> Arabidopsis thaliana
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<400> 9340

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 aaaacatcaa agggcattgg gggatgtcta tgcgggtggg agagatcgtc acttgaacaa 480
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<210> 9341
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-F7
 <400> 9341

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<210> 9342
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 9342

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tcgctgttat tatgggttgt ggacgccaat acataatgtt tccagggaga tatctctaca 420
ctcaaangnt aaaagatgca aatgttgatg ancaagattg gtcccaaaaa aatgttgcct 480
gnttgggaca aaagacacac acn 503

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<210> 9343
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-G11

<400> 9343

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gaacgcnttt ttgcntttcg tccttcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnaacaac ttcaattttc cttggttggg aaagaaagat 240
tcgattaccc ggttgactca ttcttaagtg gatgacaagt ataatgtctg gatggcnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntatgga ttttaatgcc 360
ggagttccca tgtcttctct ttcacctttg atgaatcaag atgcaatgtg gcaaatgaat 420
ttgagttcaa gatgaaacaa tggaaactgg gttcttancc tgaaacgacc aaggagaacc 480
tgattgggtc ctaatacata aagaactggg ccttgt 516

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<210> 9344

<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-G12

<400> 9344

ccggaaggtn atccaccagt ttgcccaaac agggatcata aatgatttag gtctctctgt 60
tgcacaatac tccatgtttg gttcaatcat gacttttgga ggaatgattg gtgccatctt 120
cagcgggaaa gttgcagatc tcatgggtcg aaaagggact atgtggtttg ctcaaatttt 180
ctgcatcttc ggttgggttg cantagcatt agcaaaagac tccatgtggc ntgatattgg 240
aagactatcc acaggatttg cagttngttt tattaagcta tgtgatacca gtttacattg 300
canaaataac accaaancat gttcgaggag cgtttgattt tgctaaatca nctgatgcag 360
anttgtggat tgtcttnatt ccacngtcac tggaaatttg ttnantggnn taacttggcc 420
ctaaaccggt cccaatt 437

<210> 9345
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-G4

<400> 9345

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atcttacagc gagcaatggt attgggacga tcgttacaag aatgaatctg aaccgtttga 120
ttggtaccag aagtattcac cttagctcc tctcatcaat ctctatgttc ctcaacgtaa 180
tcaacgagtc ctccgtcatt ggctgtggaa actcagcgtt tagcgaagga atggtggatg 240
atggatacga aagatgtagt cagtattgat atatcatcag tggtgattga tancatgant 300
aagaaatact ccgattgtcc tcaactcaaa tanttgaana aggggtgtncg tgatatgaaa 360
ncaattgaag atgtctcttt gaagccggta tcgataaagg gaccttaaac nccaattttg 420
ggtngggagt aattcnangg gaaaatcacc acaaagnctt aaaaag 466

<210> 9346

<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-G9

<400> 9346

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atgcgagcct tagaagtttt gaattacttg ggagcactgg atgatgatgg taacttgaca 120
aagacagggtg agatcatgag tgagttcccc ttggatccac agatggcaaa gatgctcata 180
gtcagtcctg aattcaactg ctcaaacgag attctctcag tttcagctat gctatcagta 240
ccgaattgct ttattcggcc tagagaggct caaaaagcag cagatgaagc taaagctagg 300
tttggacaca ttgagggaga tcacctcaca ttgttgaatg tctaccacgc tttcaagcaa 360
aacaatgagg atccaaattg gtgctatgaa aacttcatca acaatagagc gatgaaatct 420
gcagacaatg ttagacagca gctagtcggy ataatgtcaa gattc 465

<210> 9347
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-H1

<400> 9347

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nnnnngtcag ctcaggcgaa gaacaggatg gatttgcttg taattagatc aggggtttag 120
gtctttccat tactttttta tgttttttct gttactgtct ccgcgatctg attttacgac 180
aatagagttt cgggttttgt ccattccag ttgaaaata aagggtccgtc ttttaagttt 240
gctggatcga taaacctgtg aagattgagt ctagtcgatt tattggatga tccattcttc 300
atcgtttttt tcttgcttcg aagttctgta taaccaagat ttgtctgtgt gcgaatgtca 360
ttacctagcc gtgtaccgag aactagggtt tccgagtcaa tttgcccctt tnggtaaaac 420
cgggtccaat aacgaatcac cgggataagg nttaaattgg ga 462

<210> 9348

<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-H10

<400> 9348

ttcccggggc gntccgctca gctttataaan naatcgtctc cgtcttcctc gctcagcttc 60
aacaaccaga gccgacttga gattgagaat caacgtaatc gatactctcg caaagtctca 120
tccttttctca gcannaaaca ntangaaatg gttgaaaggc atggagagtt ttgatttgct 180
gcttaagata tatcatgtcg nagtgcgttg acggtatcaa gcatttatgc acctctgttt 240
taggggtgttt tgatcttgat ttgtataaac aatctgggtgg ccttggagat cctgaattgc 300
ttgcaagaga cactgttttt agtgtgagtg aaatagaanc tctttatgag ctttttaaga 360
aaatcagcaa gtgccgtgat tgatgatggg ctangtnacn aggnanagtt tcagttggnt 420
ttgtttaagg cnnntnagna agcccagttg ttttgcagat cgggttttctg at 472

<210> 9349
<211> 549
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-H2

<400> 9349

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gttagtcata taagaacaac cgcgttaca acttctctcg tctttcctgg aaatttctgt 120
ccacaaatat tagtctttaa ttttcgaaac ttctctcagg cgaattcaag tttcatagtt 180
ttggtctaag tttttgtcca ccgatctatc tctttagttg aaacttatca gaatggctcg 240
tccacaagac cctccacgtg gtttcttccc ttttggaac cccttcaaaa atctatcttc 300
gaagaactcg gtactctcct caaagcttct cccactccct ggaacaantt ttgagacaac 360
ttaagcaacc ttctaataag taaagccttg gtccttaaag ggaaaagaag cgaataaccc 420
tgaacnggtc caatgggatg aaacaaagct aatgggaatc ccctttgnga anaacacata 480
aangngaacc aagaaccctt aanaaacogg ttntgannct tccgggganc 'aaaattgggg 540

angggaaaa

549

<210> 9350
<211> 535
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-H3

<400> 9350

antgttgcc tgcgtagcn tccggaattc caaggtcgac ccacgcgtcc gcggtgattg 60
acgtttgttc catgtagatc tccggtatct ccatggagac accgtcgctg gctccatcgt 120
tactctctct gattcagatt ctctctcgca ttcgaacgag tacgatctct tcagctcccc 180
gaaccgagaa atcgccggtg atgattgctc ttccaccgac gctctgatct cctgatcggt 240
cgtcgtatcg gcagcgattg tgttccaatt gctccgcgac ggtgtgattt cgccgcggat 300
gatgatcgcg ttattctctt catcatcgag actcggacga attcgaggag ccatlaacgg 360
aacgaacggc gacatangcg ttaaaaactcc ggcggatgcg aaaatcgccg tacggnataa 420
cnggacaatt aagggtgaga tngngncaa tcatcgatgc aatcaaaggn gnaaaagcat 480
nggaancata aacgggaaat gttccgtaaa aaaacacctt cttcgaaatt ccaaa 535

<210> 9351
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-H4

<400> 9351

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tctctcgggt caaaattagg gtttcgtttc actatccaag agtgatatac aagggttggtg 120
tggagctttt atcagatcac aggaataaga tggaggtatt tggaaaatct cccatgggtg 180
ttacatctgc caatgttatt tacttgtctg caattctggg tcgcgattgc gatggacaca 240
aatgtgattg gaaatgtgag aatgaaactg tttgtgggaa tatgtatcgc tgcaaactaa 300
ctggactaac tcatgtctgc gacaagaact gtaaccaagc ggattctcta tgataaccat 360

agctccttgt gccgaaccaa tgggaaggat tttccctctc tncgtccgtc naggacaagc 420
 gggttaaagggt gttcggagga anctttaccc cgctgaaaat canccttctg aaaacgggttc 480
 ctttaacctt cnnncnccna angccaaatt ccaggctttc ccnttcc 527

<210> 9352
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-H7
 <400> 9352

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 gctgattctg gcttgccatc cgcgtagag tcgctgatgc gaaagtctaa cagtgaattc 120
 agtgtggtta tatcgcatg gaatggacaa gactatgcat ctcgatcgca cgtttttacc 180
 gttggaaaga cgaggataaa gctgtctcga ggatggatca caaaggcgag agaattatat 240
 tcgacatcca tgcagctctg tggagttaga ggcaatatta aggctcctac caaggcagtg 300
 ttctggcaac caagaaagag tctaactttc atactaacct ttgagtcaga acacgaacgt 360
 aacgcagcca tagcccttgc tcgaaaatac gctttcgatt gcagtgttac actgcttggg 420
 tccagatgat taagtgaaga agacaatgtc attaacgaac canctgataa tttttccct 480
 gacnccnggn tttcctggtc cgtgtgtttg tgn 514

<210> 9353
 <211> 536
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-F4
 <400> 9353

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 gttaacgtcg tccattcttc ttctttgatc ctttcnttga tctctcacat ttccgattcc 120
 aatttaggggt ttctcncctt ttnacatttc nagggttttt cttgntccct ttgtaccgga 180
 gatggtgaat tgaaaggaaa aataanacgc ttttgaganc ntatatttga ggtngtttcc 240

ncatgtatag cattctatctt accattgttg acagctttta cggaaatctt tcatatgttg 300
tagttgactt tgtggaagag tccataccac ttttatcttc tcaactcatg aatctatttg 360
attctcggtc cttttttttg ggtcaaagtc tcttcgttgg tanccttaac acacttttgg 420
tgccgacaag gttnantntt ggggcttgtc cggcctggat cccggttttt taaggaatcc 480
tttggggaaa aanattcgga anannaaaaa naaaaactgg ggccgntttt taaaaa 536

<210> 9354
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-C3

<400> 9354

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gatttcgaag agctgagaga ttanggtttc tcgattttcg agattagagt ctaatcccca 120
ccaccagcat agctgatatc ctggaggaga gaatgacgga ttcgggtcta atgatgccgg 180
cggagattgc tggaattcta accacggcga ttacgagttg gtgggatgat gttaatgagt 240
caactcagtg gcaagatggg atctttttcg ctctttgttg tgcttatgct cttgtttccg 300
ccgttgctct tgttcaactg ataaggattc aaaatganag tgctgaata agggtnagct 360
actcagaaaag ngttcaacct taagaacttt gtcctcaaan ggatccctgc nggntcnggt 420
ttggatttca natgcaaata attcctngtt caatcccaag 460

<210> 9355
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-C5

<400> 9355

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gcgtccgatc atggagtatt tacctggggg tgacatcatg acactactca tgagagaaga 120
cattctttct gaagatgttg cccgttttta tattgctgag agcattcttg ccatccattc 180

aattcatcaa cacaactatg ttcacaggga catcaaacct gataatttga tactagacaa 240
aagtgggcat ttgaagcttt cagatttttg tttatgtaag ccacttgatg acaagtattc 300
ttcattgcta ttagaagacg atgaaatggt gtctcaggat tcagagaacc agtcaggaaa 360
atcagacgct gacaaagcac cctggcaaat gcctaaagag cagttactgc agtggaaacg 420
caatcgccgt gcattgggct tattcaaccg ttggaactct tgattacatg gctccagaag 480
tactcctaaa agaaaggata tggaatggga atggtgattg gtggctcn 527

<210> 9356
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-C8

<400> 9356
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ccatccgtcg gateccacaa accaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntgggc 180
attttagggt ttctcaaatt tttgacgctt tctcttaaaa gggttgacga aataaccctt 240
taagggaaaa aacaaagggt gaggaagacc accaangtga aaaaaganag agaattcga 300
acaacagcag caacaaagaa taaaagttac gaaatttttc ctcttttga anccttggtt 360
ccncttcntc ctcttctctc aaattttttt caattaaaag attctgcctt ttggggggtc 420
aaanttcgtc cntccctttt ccaatttggc gccnttaaan aanganaant ncccaaaaac 480
ccaaaacttt ttttgggggg cc 502

<210> 9357
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-D12

<400> 9357
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aaaangaaga tggaaatggg tcgtcgagat ttgatgagac gtggaacaac caatcgattt 120
 tccaataaac aacaatctgg atctggggtt tctacaaaat ctaagaaagg aatgctgaag 180
 aaacttggtt ttgctgatga gaaactgaaa caagagatga gctacgatac tcttccttct 240
 ccagatttag aaaacgaggt ttctaagaag aaatctaagc ttccaaaaaa gaatttgaaa 300
 gacactaatg gtgtggatca tgctctgtga ccacggaagc ttcgttcagc catgaagaag 360
 cggaatcttg aatctgtttc taagctatcc tctgtttcaa agagacttaa ccggtttaa 420
 accggaactg aatcct 436

<210> 9358
 <211> 272
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-115-Q1-E1-D6
 <400> 9358

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 ttttttctct tgacgttaga ccttatactc tgttttcgtt cgctgtaata ttaaagacgc 180
 attttgagtt gtatctatta tacatgttga agtctcttca tactgcattg ttgcttatct 240
 tatatcacat tcttttaaaa aaaaaaaaaa aa 272

<210> 9359
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-115-Q1-E1-D9
 <400> 9359

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 aagcagcaac aaccacaagc tcctatgtct ttgaagatca tagattcatg tctcagacta 120
 agtgtgggtc ctctcagtgt tgcaaccatc tggttaactg tcactaacca cgaatccaac 180
 ccggactacg gcaatttaga gtacaactcc atcatgggtc tcaagtatat gggttggtgtg 240
 agtgccatat ctgctattta tgctctgtc tctactgtt cttcatgggt cacatgttta 300

gtctccaaag cttggctctt ctttattcct gaccagggtt tagcttatgt gatgacaaca 360
 tcagtagcag gagcaacaga gatagtgtat ctacttaaca aaggagacaa aatagtgaca 420
 tggagtgaag tgtgttcttc ttatccacat tattgttcaa aactcacaat tgctttggga 480
 ctcatgtcct tggtcctttc cttttcct 508

<210> 9360
 <211> 527
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-E1
 <400> 9360

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 cgagataaac taaatcttcg ctgaaaaaat gtcgggtcgt ggaaagggag gaaaagggtt 120
 gggtaaggga ggagccaagc gtcacaggaa ggttctgaga gacaacatcc aaggaatcac 180
 caagcctgcy attcgaagat tggctcgtag aggtggagtc aagcgtatca gtggtctcat 240
 ctacgaggag actcgtggcg tctcaagat ctttctcgag aacgtgattc gtgatgctgt 300
 cacttacacc gagcacgcta ggaggaagac tgtgaccgcc atggatgttg tctacgctct 360
 caagaggcaa ggaaggactc ttacaggatt cgggtggtaa ttaanagttt ttcagattcg 420
 cgtttgtgtt ttccgggttt ccacttaaa cgtccgcgtt ttactttggt antgggnntt 480
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<210> 9361
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-E2
 <400> 9361

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 gcttgagcat ggtgataaag acagtggatc cgattcatcg tgcttctctt ctgactctga 120
 tcctgagacg gaagaatcag aacaatctga agaagaagac tctgttgcag aagtttccga 180

ggacggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg acattggaga agatgtcaat 300
 gaatcntttt ttagaagaan canccgaaga aagaagaaga gaactatant ccccggttgt 360
 agatacaatc caaatccggt tataaaatgc cgatattgtc caaacgntt gtttgccttt 420
 aatgngaaca caatgcaagg cccatgtttc aaccaaagaa ngcatg 466

<210> 9362
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-E3
 <400> 9362

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 cgagattcat ctgtaananc ctaactagcg ccatagccaa ggaagctttc ctcagatcgt 120
 ctctccgaaa ttttccggtt aatcgtcagt taaggggaaa attaggctat ggcgatgtta 180
 ggtgcacagc aagttccagc agcagcttgt actccaagat atggttggga atgcttttgt 240
 gccccagtat tatcacatat tgcacatc acctgagcat gttcacagat tttaccaaga 300
 gattagcaag ttaggtcgtc ctgaanagaa tgggttaatg agcatcactt ctaccttgca 360
 agctattgac aagaagataa tggcgcttgg ttacggtgta atcagtgcag agatagctac 420
 tgtggacaca caagaatctc atggaagggtg gttataatgt actggtgact ggtattgacn 480
 gggaaaagac antttccagg aggaccttta tcaanacctc c 521

<210> 9363
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-E7
 <400> 9363

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 cgtgggtgaa ttttgacgaa cactataaaa tattatgggc taatcatggt gatgaaatca 120

gcattcagta ctctggtact cctgcactta aaggagattt cgtaggtat gggcatcgga 180
ctgcccattg tgctcctaaa gatggttgga gctccctcag acgctattac ctgaataact 240
ttgctgatgg aactaagcag gatgcaattg atctcttgca agggcactac atagttgctg 300
tgagccgaga catggctcct gtacctcaaa agggaagcct tganctgta gccaaacttc 360
cagtggcatt gttcgtgggt ctgatgagtt ttctgggttg caacatgncn ccaaaacaaa 420
ctgggaatgn ttaanancnt aancnantgg tcctcccnat ggtgntgaac gggaatttcc 480
ntgggcatgg ctgcactggt anggccaatg gcaag 515

<210> 9364
<211> 530
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-115-Q1-E1-E8
<400> 9364

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accattccca cactaaaac cctagattaa aagcttcaat taccggaaaa agtctctact 180
taagagattt atctgtttgt tgtcttaaata cacaggaaga gaatggattt tcttaaggca 240
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gttctgcatg gaattgggga taaatgcagt aatgcaggag tgacacaatt cacagagctt 360
ttaagcgatt ggtctgggtt ctcaaggata atgcntggag attgggaaat ggctcaaggg 420
actcaagggc taagcctcnc cctgntnaaa natccatttt ttgtgnaaaa agggnaaant 480
ttncccaagn ctttagggng gggtancaca tttggggggc tttccaangg 530

<210> 9365
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-115-Q1-E1-E9
<400> 9365

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aaaacgctgt ttccactata cctgcggagc tagcatatgg ggaatctggt tccccgccaa 120
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 aggatatatg taaagatggt ggtgtgttta agaagattct tgctgttga gagaagtggg 240
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 ctgttggttg gaaatctgat ggtgtggagt tcactgttaa agatggcat ttctgccctg 360
 cacttactaa ggctgtgaaa actatgaaaa agggtgaaaa gtccttctga cagttaaacc 420
 acaatatggt ttgggggaaa aaggcaaacc aacctctgc tgggtg 465

<210> 9366
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-F2
 <400> 9366

antggttccc ttccgtagg cctccggaat tcccaggtcg acccacgct cgcgggacgc 60
 gtccgccccac gcgtccgcag attcgccggt ggtaacaga ttgtcggta ctctgttcc 120
 taggacaccg gctcgtgatg gttataattg gagaaaatat ggacagaagc aggttaagag 180
 tccaagggc tcacggagtt actacaggtg tacatacact gaatgttgtg ctaaaaaat 240
 tgaatgctcc aatgattcag gcaatgtggt anagattgtt acaaagggt tacatactca 300
 tgaacctccc cggaagacta gttctcccc gagagagatt agngttacaa cagctatccg 360
 gcctgtttca gaggatgata cagtagtaga agantatcaa nttgttccta ncnggtcaaa 420
 ttcgtcnggc ttccactaaa gaatacatcc ggtgaattnc aaaaaactcc ttggaccggg 480
 aaaagacncc gggt 494

<210> 9367
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-115-Q1-E1-C2
 <400> 9367

acgcgtccgc ttcacgccc atttcttttt tccccagaaa aaggcttcac ttcggttcgt 60
 tgtttctcat cggctctgcg cgcctcgac atcgtttcac ctttctcaga atctctcttc 120
 ccgtcgatta gtttcctcag aggttgcgat ttgttgaaaa cttgattta gactatgaag 180
 tctcttaatg atcttcctgc gcccaaatca accactacca cgtattatga tcattctaata 240
 gatgcttggt tcaaaaaccc gagtcaactga atccgagacg gtgaaatcct ccaagtatca 300
 aaattaaaag tgggtggcct ggctaactga atccgtcaaa ggggtaacgt tccgaaagaa 360
 tccaanaang gattttggcn aaagggtggg tgctttcccg gggaattaac cttccccaag 420
 ttaccncct ncttaanggg gtaaagaata aaatccaatt aaaccctgga ggnntaanaa 480
 anccccccgg ttangggncg aaggggcca gggnaaactt gg 522

<210> 9368
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-C2
 <400> 9368

acgcgtccgt agagatatcg tttatctcgc aagaaactct catcaactaa agctaattat 60
 ttaatgtttg tttggtgata tggctgatca gcagcgagge cacaacacct cagattctcg 120
 ccggaaatct ctagccggaa aaagaacctc acagcaaact ccgacgtcat cacttagttc 180
 cggcggagta tccatggcag ctgcaacgac ggggacaggg acggcttcgc cttgtggggc 240
 ttgcaagttc ttgagaagga agtgtgtgag tggatgcatt ttcgctccac attttgggtc 300
 agaccaagga gcggctangt tcgcgccggg tcataagggt ttcggagcca gcaacgtgtc 360
 gaaactgttg catcatattc cgggtgaaccg tcgtcatgat gcgggtggta cgatctcata 420
 cgangctcaa gctaagctcc tccgatcctg tctatggctg cgttccaaa 469

<210> 9369
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-114-Q1-E1-C3

<400> 9369

ttgtgagaga gaagagatct aaaaaaatcc acaattttgt tcaaactctg ggagttaaat 60
gctgaatttt aggccttggt gcttagattt atggcttaaa gtttcaaact tttcattggg 120
atatggtaca aatctttagt ttaaactctg aattgtgtcc ctctggtggcg ttgttgcttt 180
gatttatggc caaaagtctt aaacttggga tatggtacaa tcttgtaagt tatacactgc 240
attgtctctc ttgggtgttg ttgttgcttt gatttatggc ttaaagtctt aaaacttttt 300
cctggagatg ggtcaatctt gttgttgaaa agttgaaaca ctgaattgtc tctcctgtgc 360
gtgttggtgc ctagatttaa gggctaaaag tttcaaactt tcctcacttc agaacctcct 420
gaaatgggaa actaagggtt tgtggttttg g 451

<210> 9370

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-114-Q1-E1-C9

<400> 9370

acgcgtccgc atagctctgt ctcggttaaa gcatttgatg atgatacatt tgatttctat 60
accggtgaca tatttgctgc tacttatgct atttcgtcga gtgaaggcga agagagcgat 120
ggggattatg ctttgaatgt ggttaccgaa actactgcac agaagctagg aaagtctcca 180
agaggctcga aaaagcacag aatcagatat gggattaatt tggggcttct tgcttttttg 240
tcaactgctgc ttctactgat ggactotttt gcttggaaga ttgtagact acctttgcct 300
ccatatttct taagcatgcc cttcttcaca tcggcgattc tagttacctt agctgggtta 360
tatttttggt ccgcttctag acagactgag aagtgcata agccaantaa ggacattagg 420
gccaatctca cataancgca aaacaacaat cccg 454

<210> 9371

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-114-Q1-E1-D12

<400> 9371

ccgtaccggt ccgaaaattc ccgggtccac ccacgcgtcc gccggaggca aaaatcgtct 60
ctcgcttgag ctgcgaagat gcaagcagta aaaagatcca ggagacatgt tgaagaagag 120
ccaacaatgg tagaacctaa aaccaagtac gatcgtcagc tcaggatttg gggggaggta 180
gggtcaagcgg ccttggaaga agcgagtatc tgtttactca attgtggccc tactggttcc 240
gaggctttga agaatctcgt acttggtggt gttggtagca tcaccgttgt tgatggatct 300
aaggttcaat ttggtgacct tgggaacaat ttcattggtcg atgcgaagag tgttggccaa 360
tcaaaagcca aatctgtttg tgcgtttctc caagagctta atgattctgt taacgccaag 420
tttattgagg agaatccaag acacgttgat tactactaac ccatctttct tctctcaatt 480

<210> 9372
<211> 515
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-D3
<400> 9372

cctacggctc cggaaatccc aggtcgaccc acgcgtccgc ttnattcctt cttttgctct 60
gatcaaagtc ttctccttcc cttctctctc tctttcctcc tctgcacatt tctgggttct 120
tctcttctta tgctctgttt cttttaagga cacagaagaa acagtacaga gttgagattt 180
tcttaaacaa aagtgaaaag agaagaaaca agtgacagct caaacggaca aaaaccactc 240
ttgggtcttt cttgcttctg attctttctc ttctctaata gaagaaaaca tctagaagct 300
aaaaaaatgt cggaaggagt agaagcgata gtaagcaa at gacaacggaa cagatnangt 360
aaacgggnaa ccgttaccgg gaaaagataa cgaaagaaca cgacgggctc caaccggttc 420
taacctaaagc aatttcttat gggcaacggg tggctcctgt ctgggacgct tggtttcaac 480
ctgcgcactc aaccaagntg gctcaaagtg ttatt 515

<210> 9373
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-D5

<400> 9373

antgggtccc tggccgtaca gtccggaatt cccgggtcga cccacgcgtc cgctcattgc 60
ctcgccgaga gagaaggaga cgccatggaa aggnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngctca 180
tcgggtctga gctttgtctc gactcaccgg cccgagtcac gccgagtcag ctcaatttcc 240
tgcaacagtt cccagattcc gtcactgtat acgcctatag gatctaacac aactaacaat 300
tccttcaatg ggtctcccaa atcggatgaa tcgaaaccta atcccgatt tctcacacgg 360
gatcgcgacg tcggcttctg agcagcgaaa gacgtatcta ctggaaccgt tataactaatc 420
tctgcagtag ctgtgctttt gcttaaccgg cttcttgac caactgcttt cgctagcttt 480
caaactgcag ctaaatccgg ttggcta 507

<210> 9374

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-114-Q1-E1-D7

<400> 9374

acgcgtccgg caacaatggc caaagctct ttcttcaaca agcatttgct tctctctctt 60
ctcattcttc tccaaagctg tctactctct tcttcttcaa gtaccgattc agaaactctc 120
ttgaacttca aactcaccgc agattccacc ggaaaactaa actcatggaa cacaacaaca 180
aaccatgcc aatggaccgg agtctcctgc aaccgcaaca gagtcacacg actcgtactc 240
gaagacatca atctcaccgg gtcaatctca tcaactaacct cactcacatc actcagagtt 300
ctcaagtctg aaacataaca atctctctgg tccaatccca aacctctcga acctcacagc 360
tttaaagctt ctctttttat caaacaacca nntctccggt aacttcccca attcaatcac 420
ttcactcact cgtctctacc gttcttgatt ctctctttc aacaacttct 470

<210> 9375

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-D8

<400> 9375

acgcgtccga acaaagtatg agccgaagaa ctccatcaaa tcaaattctca ctcatcaaac 60
tttaacattt aactatcaca atatgttttc ttttcttata ttcttggttg aggcttttca 120
ggtggttatt gctaccgtgg tctccatagt cttcttagtg ttgcggggtc taacactggg 180
aggttcagcc acggcattaa ccataacaac accgcttttt attatattca gtccgattct 240
tgtaccagcc acgatagcca ctgctgtcat aaccacagga ttcaccacgg gtggcgact 300
cggagcgatg gccgttgctc tcatcagacg taggatggga gctaagccga ctgcggaagg 360
aacttcgtca gccaacctc ttctcaaatt gccagtttat ggtggatatg gaggattttg 420
gggaagaaag aaattttccg gaacantccg gaaataaaac a 461

<210> 9376
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-114-Q1-E1-D9

<400> 9376

tttacgccgg cccggnaccg gtccgaaaat tcccgggtcn acccacgcgt ccgcggacgc 60
gtgggcgcta ctacatctat gagctgttga aggcttttga cttctgccac tcacaaggaa 120
taatgcacag agatgtcaag ccacacaatg tcatgatcga ccatgagctg cgcaaacttc 180
gcctaataga ttgggggtctc gctgagtttt atcatcctgg aaaagagtac aacgtccgtg 240
tggcctcaag atacttcaaa ggtcccgaac ttctagttga tttacaggac tatgactatt 300
ccttgacat gtggagcctc ggttgcatgt ttgctgggat gatattccgc aaggaaacct 360
tcttctatgg ccatgacaac caggatcagc tcgtcaaaat tgccaaggta ctccggaact 420
gatgaattga atgcatatcc tgaataannt ancanttaga acttgatact caactanaag 480
gcacttggtt ggaagacata a 501

<210> 9377
<211> 498
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-114-Q1-E1-E1

<400> 9377

ctacggctcc ggaaatccca ngtcgaccca cgcgctccgct aattatcttc aactaaaaaa 60
ccaaaattga cttcagattc gccttcttct tctcttgcaa cgtttcaatt tcatgtgcct 120
tcgaccttag attccaattt tgaattcgaa tttctggggg ttcgattgag ctcttctcgc 180
ttttttctan ggttttgtcg catatgctgc gantgtgagt ggaaatttgg gggaagaaga 240
agaaggaaga tgcataataa ggagatatgc ttggagggtt ttaaatacata cgcgacgagg 300
acgggtggtt ctgggttcga tccacatttc aacgcgataa cnggtctgaa tggttcggga 360
aaatccaaca tctcagattc catctgttct gttctgggta tcaccaatct tcagcaantt 420
cgagctgcta atcttcagga actcgtctat aagcaaggcc aagctgggat tactaagggc 480
gactgtctcc ggttacct 498

<210> 9378

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-114-Q1-E1-E11

<400> 9378

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gcgtccgctc tttttggaga ttttaacttc agtttttgtc taattagggt tttaatttaa 120
attggaggga aatttttagat gcagtgaagt agtttttggg taaattttcg tcggattctg 180
aattgtctcc ggcgacatgg cttctaattc ccccatgagc cctcaattgg agcagatcca 240
tggcgaaatc cgtgaccatt tccgagccct cgcgaaatgg ttccagagggt tggataagat 300
taaggattca actagacaaa gcanacaact tgaagaactt actgacaaga tgagagagtg 360
taaaagattg gtcaaagagt tcgaccgtga actcaaggat gaaggaacta gaaattctcc 420
tgaagtaaat aagcaaattg aacgatgaag aaacaatcca atgatnaaag gacccaaatc 480
ctacgttgcc cnaagaaaaa c 501

<210> 9379
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-E2

 <400> 9379

ggggttttgat ttgttttgta actgtttctc tttctctgga gctttcttct tcttcttcaa 60
 taatcgattht aggtttttca aagctaagtg tttgtgttgt gataatgact agtagcgagg 120
 aagtagttga agtgacgggtg gttaaagcac ctgaagctgg cggaggaaag ttatcacgtc 180
 ggaagattcg gaagaaagac gccggtgttg atgggtttgt gaagtgggag agattttctcc 240
 cgaaaatcgc gcttagagtt ttgctcgttg aagctgatga ttctactaag acagattatc 300
 gctgctcttc tcaggaaatg tagttacaga gttgctgcag tacctgatgg cttaaaagct 360
 tgggagatgc taaaaggaaa gcctgaaagt gttgaattga tataacagan ggttgatcaa 420
 cntcaatatc tggataatg 439

<210> 9380
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-114-Q1-E1-E6

 <400> 9380

agtccggaat ttcccgggtc gaccacgcg tccgtgcaga ttttaagcat aatacgagat 60
 cccaaggggc tcacaagcct ttctacgctt aatctgtaac tatgccgctc agactcgaga 120
 tcaagagaaa attagcgcaa aggtctgaga gagttaaatc tgtggatctt catcctacag 180
 aaccatggat tcttgcaagt ttgtattctg gaaccttgtg tatttggaac taccagacgc 240
 aggtgatggc aaaatccttt gaggtgactg aattaccagt tcggtcagcc aagttttag 300
 cagaaagca atgggttgct gcaggagctg atgatatgta tatccgtgta tacaattaca 360
 acaccatgga caagggttaa gtgtttgagg ctcatcaga ctacattagg tgtgtggctg 420
 ttcatccaac ctttccatat gtgctgtcat cttctgatga tatgctcata aagctttggg 480
 actgggaaa 489

<210> 9381
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-C10

<400> 9381

acgcgtccgc cttttacttc ctttttcaga ttctaagcaa acaaattgtg tcactaagca 60
 gccatcatgg ctagagtgat cttgtgggtt cttgtttcct cgtatctttg tctcatcggt 120
 catatgattg ccgaggctgc aagagaaggt gcctccatga ggaaggaagc acactccagt 180
 gggattggaa gagaaagtaa gctcatgagg aatgaaaaac actccactga gattggaaga 240
 gaaagtgcgt ccatgaggaa taaagcacgc tcgagtgaga ttgggaagag agagtaagct 300
 catgaggaat gaagcacact ccagtgagat tggaagagt atccgacacg taaccggatt 360
 taagggtgaa ctcacagctg gtggctacgg cgggtggaggc ccgggatatg gtggtggtgg 420
 atacggtcca agttggccgg cngtggtg 448

<210> 9382
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-G4

<400> 9382

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 tccgcggacg cgtgggcgca actttcgtca gtttttgtgt gttttcttct acacatagac 120
 actttgctca ancaaacaca ctctctgttc tgtttttctc aaacttggtt aagtctgatg 180
 actatggaag tgtcgaaaaa gaaagggtga gattttcagc aatgtcacga attgattccc 240
 ggtttacctt ccgaactagc tttggagtgt ttggtcagag ttccggtcca attccaatcc 300
 gccatgagat ccgtttgccg ttcttgccgt aacttactct ccgactcttc ttttatccaa 360
 gaacggcgga natgcggcaa aacagagctt ctctctgcc tcgttcancg gctaaagccg 420
 ccaattccag cgtctaaatc gggtgacgaa gacattaatg gggtgacgag aanantcag 480

angatgatca caccgcgcg tttctggncc

510

<210> 9383
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-G7

<400> 9383

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cgtccgctct gtatctctct gtgtctctct tccccgttag tcttcgtcgt gacctttttg 120
tagtattaag caatgaagat taagacgtta tcaagatcgg ttgatgaata cactcgagaa 180
agaagtcagg atcttcagag ggtctttcac aacttcgacc caagtcttcg acctatggag 240
aaggccgtgg aataccagag agctcttaca gctgccaaat tagaaaagat atttgcaagg 300
ccgtttgttg gagcaatgga tggatcatcgt gatggagtct catgtatggc gaagaaccca 360
aattacctca aaggaatctt ctctgcttct atggatggag atattcgcct ttgggatatc 420
tcttcaaggc gtacagtttg ccaattccct ggtcatcaag gtgctgtgcg tggctctact 480
gcatcaaccg atggaaatgt att 503

<210> 9384
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-H12

<400> 9384

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tttcttcagg cttcatagaa taagaccgaa catggcgaga cgtaaccgtg gggtgacaag 120
gcgcgaaaagg ccgaacctac tgatcacggg gactcctggt accggcaaata cgacgacggc 180
ttctgctcta gccgaagcca cgaatctccg gtatatttgc atcggagatc tgggtcaaaga 240
gaaagaattc taccatggct gggacaatga gctcgagtgt cacttcatca acgaagactc 300
ggtgattgat gaacttgacg atgctatgat aagaaggagg gaacattgtg gactaacatg 360

gctgtgactt ctttctcan cgatggtttg atngccttgt ccatgcctcc aaccgagaac 420
 tccgtttttg tatgaacgtt taacgaataa gggttattca aggaaccaa nc 472

<210> 9385
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-H2
 <400> 9385

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 gggcaacaat tcacacaatt tctcgttttt ttttgtttat catcaaaagt tttaatctaa 120
 attacgtatc aaattccgag caagatgact attcttgttg aacattttgt tcttgattca 180
 agagtggatg aaaagaaagt gatagaggag agggataatg aattggtgtt ggatggaggt 240
 tttgtggttc caaaatcaan ggaaactgat gcattcgatg ctctgatat gaatttcttg 300
 ggccattcct tcagggatta tgagaatggt gaaagcgana gacaacaagg tgttgaagaa 360
 ttttacagga tgcaacacat tcaccaagac ctatgacttt gtgaagaana tgaggaaaga 420
 atatgggaaa acttaaccaa gatggaaatg agtatatggg aatgttgtga antantgaca 480
 atgttgttga tgaaagcgat c 501

<210> 9386
 <211> 512
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-H3
 <400> 9386

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 ttcgaaatcg catccatcgc cgtcgtcgtc ggtgacgaaa accaccgcgt aaaaccgttt 120
 cctaaatcag atgttcaatc ttagaagtat ctcttagaag ctctcttgta tgaaaaaatg 180
 ggactgttaa gcataatccg gaagatcaag aagaaagaga aggagatgcg tattcttatg 240
 gttggacttg ataattctgg gaagacgacg attgttctga aaataaacgg agaagacaca 300

agtgtgatta gtccaactct tggattcaac atcaaaacca ttatctacca aaagtatacg 360
 ctaaataatat gggatgttgg tgggcaaaag actataagat cgtattggag gaattacttt 420
 gagcagactg atggtttggg ttgggtgggt gatagttctg atcttaggan gttagatgat 480
 tgcaagatgg aacttgacaa tctccttgaa aa 512

<210> 9387
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-H4

 <400> 9387

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 ctaaaaatgc caaatattca ttttctacca gtaaattctt caacgaagga aaacccttca 120
 atggtgaagt ttaaagatga tgtgtacctg ccaaccgatg aacctcaagg atctatagaa 180
 gcaatcctaa gccgtataac ctcgaaacta tgaagtttta agacaataca tcatacatgg 240
 naatatcaaa cacaatttca cangttctgc aacttttggc gtttggtctg tttatnaaat 300
 aacaanttaa atgaanttgt gttaagncaa cttttggctt ttggtgcaag aatnataccg 360
 gtaacgggca aacagtttct acnacaaaaa atgtagctta catan 405

<210> 9388
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-H6

 <400> 9388

agtcnaaagg cccgggtcca ccangcgtcc gaaaggagac agctttctct ctctgtctct 60
 ctctaaaagt tctgggttta gaaagagatc tttcttatat gttgaatttg tgatcagagg 120
 tgagagagat gggaggttgc gtgtcaacgc ctaagagctg tgtaggaggt aaaataaggt 180
 caagcaaaag gagaaagact cggacaagac gaaagattca gaagaagaga gttgtttctt 240
 cttctcgctt atctgacgga tctttcgata ataatcccac tttcagagca agtggtgatg 300

aagcatgggtt tgattccaat ctgcgctttg aaaccgattg tgatgatgac tttcatagtg 360
 ttcaggaaga tacgttgtca gtgaacggat gtgagcgtat ctgagtatcg agtatgtcat 420
 ctgttaaaga ctctaacctt ggtgggttccg ctcggaantc tccaagcgat gtcattctcac 480
 aatcaaaa 487

<210> 9389
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-A1

<400> 9389

acgcgtccgg gaaagccggc atggatccag caggagcatc ggtggccagc gcaatcngag 60
 gagannaga gaaattcneg gtggggaata tttattcagt gaaggatgac accggagatg 120
 agttcagagg gatcgatcatg gcttacgacc ccatcccca cttcgtcttt tttgaaagaa 180
 ggtacaaaac ctanacctgg gcatttgaag aacactcgga tggatgaatgc gaattttatt 240
 acagggcttt cgtatttagg caaaactgaa gatccacttg attcagacaa cttttccggt 300
 gatcttaatg gggtccgagc taaagaggca cntgctatca aggcaagcng taancagatg 360
 cctaaangaa tgggaattgg tgttncgct gaaggatcaag ancatccttc gacgccgttg 420
 tccnaanacg cnttctggt tgcaaattggg aaaaactcca gacaattcct gggatgatgaa 480
 aanaaggtag cc 492

<210> 9390
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-A10

<400> 9390

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 ctcaacaacc atcttcttcg ttatatctct tgagataaca acaaagcatc gttcttcacc 120
 tttaccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttta taggatcaat 180

cgatcaagga accaccagca ccagattcat catttacgac cacgatgctc gtcctgttgc 240
 ttctcatcaa gtcgagttca ctcagttcta tcccgaagct ggatgggtgg aacacgatcc 300
 aatggagata ctggaaagtg tgaaagtgtg cattgcaaag gctctcgaca aagccactgc 360
 cgatggacac aacgtcgacg gtggcttgaa ggccattggg cttacagatc agagagagac 420
 tactgttggt tggagcaaat ccaactgggct tcctctccac aaaggctatt gtctggat 478

<210> 9391
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-A12

<400> 9391

gtaccgggtcc aaaattcccg ggnccaccca cgcgtccgtn tgttttcacc agagagactg 60
 ctccggaaat ttttgagagt gcaatcaaga aacagttgtt gttgtttgta accaaaaatg 120
 aatctgaaaa ggttcttacg gaatttcaag aagcagcgaa atcattcaaa ggaaagctca 180
 tctttgtatc tgtggatctg gataatgagg attatgggaa gccagtcgct gaatactttg 240
 gtgtgtctgg aaatggtcct aaacttattg gctacacagg gaatgaagac ctaaaaaat 300
 actttttcga tggcgagatc cagtcagata aaattaagat atttggggag gatttcctga 360
 acgacaagtt aaagcctttc tataagtcag accccattcc tgaaaagaac gatgaagatg 420
 tgaaaatagt ggttgagaa taactttgat gaaaattgtc ctggcgaatc caaagatg 478

<210> 9392
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-A8

<400> 9392

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 agttcttata gatgaagctt gaagcagtc actcaagaat gaaccctggt atcgaggttt 120
 ttccacccaa agagtttggt cagcaagcgt ttgagaatcc ggagatacag ttcggggtcgc 180

agtctacgag ggaatacagt agaggagcat caccagagtg gttgcacatg cagataggat 240
 cagggtggttt cgaaagaacg tcttgataaa gaaacaacac ttggatcatca tcttactaca 300
 aataagatct aaaagctcta atatcccgag aagaaaaagc atacatacat ataaatctca 360
 ttctcattat aggttttaaat atatggatgt gaatatacac atcatattgt tgttctgaag 420
 aaagcaaaat anaaaagaag atatagttag tttcgacatc aagaaaaaac aanctgggga 480
 agggtttaaa gtagaagaaa ctcttgtaaa a 511

<210> 9393
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-B5

 <400> 9393

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 tgagtgagca tagagttcat gagatctctg aaggagatgt tgcgattcgg cttgatttga 120
 ttgctaaaagt tgggtggttg ggagaagcag agaatgtttt tcgaaactat tcctatggag 180
 aggaggaact accantcta cgggtgctctc ttgaactgct atgcgagcaa gaaggtgttg 240
 cacaangctg agcaagtgtt tcaggagatg aaagagcttg gnttccttaa aggntgtctt 300
 ccctacaatg tgatgctgaa tctctatgtc cgggactggg aaatacacia tggntgagaa 360
 ngctgctgcg cnaaatggan gatgannact gtgaagcca gacatccttc acagtnaaca 420
 cgccggttgc atgccttaat ccggttgat ctgatgttac angggaatgg anaaagtttc 480
 cttaatgcn ttgttgaagg ctgaac 506

<210> 9394
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-114-Q1-E1-B9

 <400> 9394

gncttacgcc tgcccgaacc ggtccgaaaa ttcccgggtc naccacgcg tccgcttga 60

caaaatccac aagattggaa tgaagtatat tgtgatcaat gatcctggta ttggtgtcaa 120
 cgctagctac ggtacatttc agagagccat ggctgctgat gtgtttatta agtatgaagg 180
 aaagccattc ttggtcaag tgtggcctgg tccggtttac ttcctgatt tccctaaccc 240
 gaagacggtt tcttggtggg gtgatgaaat caaacggttc catgatttag tccctattga 300
 tggtttatgg attgacatga acgaggtgtc gaacttttgt tctggtttat gcacaatccc 360
 tgaaggaaag cagtgtccaa gtggggaagg tccctggttg gtttgttgct tggactgcaa 420
 gaatataacc aagactagat gggatgatcc nccttacaag attaatgccn acnggtgtct 480
 aacncccggt tgggtt 496

<210> 9395
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-G3
 <400> 9395

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 tatgtatcca tggttcgcaa cangccatat gaccccggtc ctttttcttg ccaacaaatt 120
 ggctgagaaa ggtcatcagg tcaactttttt gattcccang aaagctctga aacagttgga 180
 aaatcncaat ctgtttccan acancattgt ctttcgctct gtcaccgtcc ctcatgtgga 240
 tggctctccc nttggcanan agacagtctc tgagatcccc gtgacatcag ctgatctctt 300
 gatgtctgct atggatctca cacgtgatca agttgaangt gtgggccgag ccgtggaacc 360
 ngacctgatc ttcnttgact tcgctcattg gaatccanan gtagctacag actttggcca 420
 taacactgta aagtacgtcg tggatatctgc aacgactaaa an 462

<210> 9396
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-E11
 <400> 9396

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-E3

<400> 9398

ctgttacgcc tgcccgtagn cgteccgaaaa ttcnngggtc gacccacgcg tccgcttccg 60
gtgaccanga gcaagaagag aaaacagcat tatcgccctc aaaacagacc agtgaagaag 120
aagggatctt accctttgaa gccagggtgtt caagggtttt tcatctcttg cgatggcgga 180
cgcgaaattcc aagctgctca ggaagctatt aacgtcattg attccttttt cgaggagcta 240
atacaaggga ctgactcgaa agtgaatcct ggtttgtttg gtaatccaat aaacaaaaaa 300
gttacatttt cgtatagcga ggatgaggat gaggaggaag atgagagtaa taatggcgag 360
gaagaggaaa acaaaggaga tggggataag gcagtagtga gtgaangcgg taatgatcta 420
gtgaatgaga aagaaatagc tagtgaagga gttaatgatc aagtgaatga gaaagaaata 480
gcaagtgaag ggtcatgtga agtcaaa 507

<210> 9399
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-E6

<400> 9399

ccgaaattcn cgggtcgacn cacncgtccg aaagccgcan gaaggcancn tggcggcggt 60
ttatacgctc anacaacctg nggtggtaag tgggagctct tcttggaaaa ctcggtgtg 120
tcanggatgc atgcgatcct tangccagtt ancaacangg tccagtacta tnacgccacc 180
atttgacaa tttcaaanat taagttgcct ccaggcgtac catgccatgt cgtggacgct 240
aanactaaca atgtcnattg ttgggctcat tcgattctca tggatgtcaa caccggcgcc 300
cttanacctc tacggctttc caccgataca tgggtgctcat cnggaggtct gaccgtaa 360
ggtacattgg ttcagcactg gaggatacgg atgaggagcc acacaccgcg angtacctan 420
ccagctgtga aaactgcaag tgggaagant accctcaagc attggccgcc aanagatggt 480
acca 484

<210> 9400

<210> 9402
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-F4

<400> 9402

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 tctctgcaag ctctcaagct ttcgtctccg ttcgcccattg gctccactcc tctctcatct 120
 ctctctaagc ccaattcctt cccgaaccac agaatgcccg ctttagttcc ggtcatcaga 180
 gccatgaaaa cgatgcangg gcgcgtgggtg tgcgcaacca gtgacaaaga ctgtggcgggt 240
 ggaagtgggtg aggctggctc cccaccncaa gtannagaag cncgtnagga tgaanaataa 300
 taccaanctc acgaccccg taatcaagtt caaggttggc gatgtgggtca agactgggaa 360
 aagagcagaa ncatcagtaa agactnaatc atttgtggng cttcctgtca tcncaanggg 420
 ctgccaagga aaanccnaaa ccggatgana agaactccct tgggctt 467

<210> 9403
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-113-Q1-E1-F5

<400> 9403

ccgccgtacg gtccaaaatt ctccgggtcga ctannmcgtc nggcttcatc attaccaaatt 60
 catcaactta nncgtttcnc tcaaatttag ggttttctct tttcncgaaa gtcttgccgt 120
 tttcngaate atctctatct ggtttgaggg tttcgtttga tatctggaga aaggggtttc 180
 tggaaacang gagttcataa ttcgcgatct tgatcnatcg atcttcattt atatatnaaa 240
 gcgtgaatga gattatnatg gagtcgaaag gtggtaaaan gaagtcagc agtagtagtt 300
 ccttanttta cgaagctcnc ctccggttaca ncattgaana cgttcgtcca aacgggtggaa 360
 tcaagaaatt caaatccttc tgtctantca aacaggctcc aagaaggcca tcttgagtac 420
 caaccgttgc aaccgatctt cataatatag cttagnccct ttctttacnt tccaagtta 480

ataacntttc ctcccttcaa aa

502

<210> 9404
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-F6

<400> 9404

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tggttaaaga cctctanctt cacgggtcaaa catcataaac cttttgccgc cgtcactaat 120
aggaattaac tgatctcgtc aatggcngag gtggaggana ttgcgcacga ngagcanaat 180
atcgagaaga gggagaagaa gaaaggtaaa cacganaagc cgaagccatg ggatgatgac 240
ccaaacatcg accgttggac aatcgagaag tttgatccgg catggaaccc cactgggtatg 300
actgaaacca gcacgttctc aacactcttt cctcaataca nanagaagta tcttcaggag 360
tgttggccta gagttgaatc tgctcttaag gagtacgggtg tcgctgcaa gctcaacttg 420
gttgaagggtt ctatgactgt ttcgacgacg angangacaa gagatccata catcaattgt 480
caaagctagg gatttgn 497

<210> 9405
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-F7

<400> 9405

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cgtttgcggtg gacattgggtg gctctgtgtt gcgggtctca cacttcgcat attcttcatt 120
ccttggaat tcacattgct catggangga tttgggattt gctacacaac tcttacgtga 180
aagggtggtt ggccgttgga gctttgttg gaccaggaag agaattgctg tttgatggca 240
taaaagcttt cgggaaaaga tcacctaata tgaactcggt agttggattg ggatccatgg 300
ctgcattttc catcagtttg atctcactag ttaatccaga actggagtgg gatgcttcct 360

tcttcgatga accggtcatg ctgcttggct ttgtgctcct tggtcgttct ttggaanaaa 420
gagcaaagct tcaaagcatc taccgatatg aatgaactaa ttgtcactca tctccactca 480
atcaagactt gtgattactt catca 505

<210> 9406
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-F8
<400> 9406

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ggtaccgctg ggaaattgtc ggcaactatg gaanggagga ttgttgatcc ggttactggg 120
cagattcttg gaccgaaaca aaccggtgag ctttggctca agggtccttc cataatgaaa 180
ggttatttca gcaatgagga agctacgatt tcgactcttg attctgaacn gatgggtaan 240
aactggagat ctttgcata tcgatgaaga tggattcata ttcgtggttg atcgggtaaa 300
ggaactgatc aagtacaagg gggtancang ttgctccanc tgaactagaa gcntttgttc 360
ttactcatcc tgaaatcact gatgctgcan tgattccgtt tccggacaaa gaaattgggc 420
aatt 424

<210> 9407
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-F9
<400> 9407

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tccggcggct tttagatag gcagcctccc gacancgag atancggtgg atccgggtga 120
aaatnattca acagcaccgc caaaaccggt gagaatcacc tgtccaacag tcgccgaac 180
ttatcccgct gttttantct tccatggctt ttatcttcgc aactactttc tactctgacg 240
ttcttaacca catcgcttcg catgggtaca ttctttagc cccacacttg tgcaaattan 300

tgccgccggg atggcaangt ggaatttggg cgatgccggg aantgtgata aactggggca 360
tccgaaaacc tcatactca cctatcaaac ttcgntaaat gctaattggaa aatacacctc 420
aatccgtggg gcaaaagccg ccgtgggaan acggccttgc cg 462

<210> 9408
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-G11

<400> 9408

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cagatttgtt tcttagacga aaagggtttt gaggtgtcat ggattccggg acgcagccan 120
aagggttgca ggcagcacag ccagcagggt tgcaggcagc aggggttgca gcagcacagc 180
cagcagggtt gcaggcagca cagccagcag ggttgaggc agcaggaag cggaagccgc 240
ctacgacgac cgaggatcca aatgatccac agcatataat ccacgatttc ctcacaatag 300
tgaacaaatt ggagaangaa gtggatcttc caaggcgcta taaccaaggc tagaacctat 360
gatgctgang ttgatggact gataactgct gaccaaccac agacgaatct gggaagagca 420
aaaagtgcc taatcccaat gctaaaccag aaaggccana 460

<210> 9409
<211> 327
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-113-Q1-E1-D9

<400> 9409

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ggggagattt cagggtccat gagattttaa gggatatagat cagaggggtan ctttagttct 120
gccattgatt taattgaatt attgattttg tgtgttttgg tgaattcatt ttgcttaaca 180
cgatatgacc actgtagtgt tgttttgtgt cctctgtagc tgaatctctc tgtttgttta 240
agggaataag cttttgttct ttgatgatgt tatagtggta cactcttata tgtgatgttt 300

ctagttctaa aaaaaaaaaa aaaaagg

327

<210> 9410
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-A3

<400> 9410

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acntagtacc ntnataanna acncanoggg nantcnttct ccanaatgt tcaaagttgc 120
tgtgacactt gttgtgtcta tcggcatggt tgtgtgtttc atagttgtgg caattcttgt 180
ggcattgggtg gcttcaagtc caacaggagg atggagtggg aggagtttaa gtttacttga 240
tccaacttat gcaagcaagt atattccaat tattgcaagt gtcagtgaac atcaacctcc 300
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cattgcgtgc ttttcgcctc tatctgatgc cagctctttt gtggctcttt acattgtaat 420
gtctgtatac ttttctggag ttatggttcg tctatgctc gtgccttgct ccagcagcaa 480
ggatcatgtc tgggaatgcg ctctcccaaa ctttt 515

<210> 9411
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-A4

<400> 9411

ncctctgttt ctgattacca aacgtcgta atacatttct tcaaattacg tctcttttan 60
tctttcgta ctctcaaaa attttgatat ctgattgggtg ttgattccaa gtaagaaatg 120
tcaaaaacttt aggtaaagta tggatatggg tttccatgag aatgagcaan atcaagaatt 180
tgccaatcna atggagattg gatctgggca ttacgggtgt tcacattata gaagacgatg 240
cangattaga gcaccatggt gtgangagat ttttgattgc agacattgcc acaacgaagc 300
taaggattct cttcatantg aacagcatca tanacatgag cttctogac atgaagtttc 360

anaggtcata tgctcgcttt gtgagacana acaagacgtn caacacaact gctccaattg 420
 tgggtgatgt atggggaagt acttcng 447

<210> 9412
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-A7
 <400> 9412

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 aacattacta cttttcgcaa aagaagggaa aaaaaaagag agagataaag ctctcttcga 120
 ttcttttgca atcttctctc ctacggttgt ttcaatctcc gaccaaaccg tgctttcgaa 180
 tagaaccag aaatggcatc gccacagagt accaaaaccg gtttgaatct tcccgaggg 240
 atgaaccaga cttcgttgcg tttagaaacg ttttcgagct catttcgtgg gatttcgagt 300
 ttatcctcgc cgtctaaatc gacttgacgc gacagattca taccgtgcag atcttcttcg 360
 agactccag ctttcgatct gcaggataag gaaccgacta ccccggttaa agaggagg 420
 aatgaagcct attctanact tttgaaatcc tgagcttttc cggatctgat tttgct 476

<210> 9413
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-A9
 <400> 9413

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 cattgtccca ttcggtgctc acagtcacag gaagggaaag aagtgggttac cagtcctttg 180
 agaagtgtgg tttggtcatt aggagaagag gtttcaaaga gaagtctatt tgcacttgct 240
 tctgcttctc tcttctttgt tgatcctgct cttgctttta agggaggagg tccctatggt 300
 caaggagtca ccaggggaca ggacttatct ggcaaagatt tcagtgggcc agactcttat 360

caggcaggac ttcaaaacgt ccatcttaag ggaaagccaa ntttaaagg gngnaaaant 420
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<210> 9414
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-B1
 <400> 9414

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 ggatcactca ttgacgggtca ccaaaattgt atcaccaatg gccggcctga cttagatttt 180
 ctctactgga aatggaaacc tcatgactgt ttgttaccac gttttgaccc tagaagattt 240
 cttcaactta tgaggcataa atcttgggca tttattggtg actccatata tcgtaaccac 300
 gtcgaatcac tgctttgtat gctctctacg attgaagaac cggttgaagt ataccatgac 360
 atggagtaca aatcaaaacg ttggcatttc cctttacata accttactgt atccaacata 420
 tggtcgccat ttcttgttca agccgctatt ttcgaagatt ctaacggtgt ctcgaccgct 480
 tctgttcagc tacatcttga tagactcgat gagacat 517

<210> 9415
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-B3
 <400> 9415

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 tttggcagca agacgagagc acgggaacta ttgggaaacg attcgccagc atcaatgttg 180
 agaacattga gtccaaccgc caagctctcc gtgagctcct cttcacgtcc cctggcactt 240
 tcccttgccct ctccggtggt atcctcttcg aggaaaccct ctancagaaa accacgggatg 300

gcaaaccctt cgttgagctc ctcatggaaa acggagttat ccctggaatc aaagtggaca 360
 aggggtgtgtg tgatctagca cgaaccantg ggcgagacna ctactcangg gtctagattn 420
 acttgggtgc acgttgcc 438

<210> 9416
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-B9
 <400> 9416

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 ttctgttctt tcatatgcgt cctctctctc cacgctgcta tccgttggtg cctccgtcca 180
 gtctccaac atgtccctaa gcccgaccg gaccttgagg ccacccatcc agacgctccc 240
 ccgacacttg tctactcccc gggcctaaac ctagcaggca atgaagcaga gtgcatcatt 300
 tgtttgctg aattccaaga cggtagacacc ttaccctgtg tggagagatg caaacatgga 360
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 cggan 425

<210> 9417
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-C11
 <400> 9417

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 tttcgggtaa cgatgttaca angttcttcn cgatgtcana gctttcacgc cagnaactca 180
 nacangtttg ggcagttgct gnttcaaagc ggcaaggatt tctcggttta gcggaattca 240
 tcactgcat gaagctcgtc ncantggcac aagaaggaca tgacattact tcagaccttc 300

ncaatggctc aattgacatg aagagtgtgg aacttccagt gttggaaggg actagaaaac 360
 gtnggtacag taagnctcct tcgtatctga ttatncatt ttgtttttca atctttacat 420
 gaattggn 428

<210> 9418
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-C4
 <400> 9418

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 ctttgcgcaa tcgagtaaaa tggttatcaa tttcttcatt gagaggaaat gggattttcg 180
 tcttctctat gcttctgggt ggatgccttc gtctcactca gctttatgta tggctttgac 240
 gacctctgtg gcgctttgtc atggagtgc agattccttg tttcctgttt gtttaggggt 300
 tagcttgatt gtcattgatg atgcaattgg tgttagacgc catgccggta tgcaagctga 360
 ggttctgaac ttgatcatta nggacttggt cgaaggacat cccatcagtc aaagaaagct 420
 taaggaactg cttggtcaca ctcttcgca ggttcttgct ggagcattgg gttggtattg 480
 tgattgcttg cttttgttgc caaggctatc cgcgc 515

<210> 9419
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-112-Q1-E1-C6
 <400> 9419

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 ttcttttggg ttagattgggt gttttctttt ggtttgtgtg gtgatgatga gaaggcaacg 180
 agatgaacaa caatctaggg tttctacga tctatcatct cttgttttga atcttctccg 240

ccggagggtc cgagagtga gaaggtatgt ctggaagtga aggangtatg tctggtggtg 300
gaggaagtaa atccaaaagt aaaaaaagta aacccaaagc taaattggga aaagaaaaaa 360
ngtatttccg gaagcattcc agaaatttaa naaagtattc cgggaaatta aaggaagt 418

<210> 9422
<211> 479
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-D1
<400> 9422

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aagaactgaa gaatgagcag acccgagat tggaactgca ggtcatgcag ccattcacaac 120
ttccagcgcg gtgactcttg ccagcgatgc ggtgactctc gttccggccc cgggtggagtt 180
ggtggcttag actttggtaa tttcgggtggc agagccatgt ctgctttcgg attcaccacc 240
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ttcgccagtc gtcacacctg cttcaaagtc ggcactttca aggacgagac cggcgctgga 360
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gtccccggtg acggtggtcg ctctanctgg naatcccggc gactggattt gcactaagg 479

<210> 9423
<211> 545
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-112-Q1-E1-A10
<400> 9423

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ttnaactgct agccggcccg tacgggtcaaa nattcccggt tgcaccacg cgtccgnagg 120
taacggtggt aacggtggtt tcttcacctc tgctggttcc ttcttcgca acaatggctt 180
tgctggtacc ggaaatggcg gatacggtaa cgaaaacggt gggtttccgac ggaagaagag 240
ttttggtcaa gggaaacgaa ggatgaatgc tcgaacaagc atgggtcagc gagaagatgt 300

tatccgtaga accgtctacg tctctgatct cgatcaacag gtcactgaag agcagcttgc 360
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 ggtccttcgg tttgcattca tanagttcac tgatgaanan ggtgcgatga ctgctctaaa 480
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 aacaa 545

<210> 9424
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-E9

<400> 9424

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 cgtctcttgg catcaattac ggacaagttg ggaacaattt gccttcaccg gataaagtca 180
 ttaacctctt gagatcttta aggatcacag aaacaagaat ttacgacact aaccctcaaa 240
 tccttagtgc ctttgcaa at tcaaacatcg agatcatcgt caccatcgaa aatcangttt 300
 taccattact acaagatcct caacaagcta cccaatgggt agattctcac attaaaccct 360
 atgttccggc cactagggat taacgggaat tatggtcggg aaacgagctt ttcaccgacg 420
 aaggactcct agtttaataa ggatacatga tgccggcgat natcaacatc cacaaaagcc 480
 ttggtcaaa 489

<210> 9425
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-F1

<400> 9425

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caggtttgaa cggcgtgggt cgttcttaca aacctcccgt tccaaggccg gtccgattcc 180
cctaaggcgc accagaacca aaccaccaac caaacctgtg tcttgaaacc agccaagggt 240
catgacgatg acgaagacgt gtcgagcgaa gacgaagaac gaagacacac aacaagcaac 300
gccgtgtact acaaggagat gataagaaaa tccaacgccg agcttgaacc gtccgttttg 360
gacccgaggg acgaatacac ggctgatagc tggatcgaac gtaacccttc catggtacgt 420
ctcacaaggg aaacatccct tcaactccga ggcgcctctt aancg 465

<210> 9426
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-F11
<400> 9426

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atctccgcat ggactccgaa ggaaaaatgc atacccttca gaaatcgtgg aagcactagc 120
tactcatgta tctgattccc tacatagcag agaagtcgag gctgtatata taccatgtat 180
cgatgaggaa gttgttgagt tagatactct ttacatttca tcaaaccggc attacttgga 240
tagtattgct gaaaggctcg gattgaaaga tggcaaccaa gtgatgatat ccaggatgtt 300
tggcaaagct tcctgtggct ctgagtgtag attgtactct gagattccaa agaagtactt 360
ggataattca tcaagatgcc tctggtactt caaatgaaga ctcatctcat attgtaaaat 420
ctcggaatgc acgagcaagt tacatttgtg gtcaagatat tcacggggat gcaatcctgg 480
atctgttg 488

<210> 9427
<211> 503
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-F12
<400> 9427

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tcccaccgaa caatgttctt ctaatgcttg ctggagctgg acttttatgg atgggatgg 120
 ccggttttaa cggtggtgct ccttacgcgg ccaacttaac ctctctatc gccgtgttaa 180
 acaccaacct ctcgccgcc acaagcctcc ttgtatggac tacacttgat gtcattctt 240
 ttggcaaacc ttctgtcatc ggagcaattc aaggcatggg tactggctta gccggcgta 300
 ctcccgagc aggtttcagt catcttctt tcaagttttt tgtttactct aagtctctaa 360
 gtttatttat gattaagggt gaattatgtg gaaacttatt aatattgcat tgttaattta 420
 ttatactgac aaataagata tctattgcag gtttgatcca aacatgggca gctataataa 480
 ttggagtagt ctcaggaaca gct 503

<210> 9428
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-F2

<400> 9428
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 aactagagga cctctctagg cgatatgaag aattagaggc aaaatcaaaa gcagatatga 120
 aagttcttgt caaagaggtc aaatctctga ggcgttctca tgtggaatta gaaaaagagc 180
 taaccactc tttgacagat aaaactaatg ccgagaaact cctccaagag gaaagaaaac 240
 tactagagaa cacagttgcy gctagaaaga agctgcttag tgactgcaga attctccacg 300
 accggcttaa agagtacaac ttaaatttgt caatggatgg aaacggtaac tttgtcgacg 360
 actcaactac aatatcagac gttttgcgtt tactgtcaat atctgatgat caaattgagg 420
 aaggctcaac tactttctgg gtttgacgaa aatgctgctg ctgaagacat cgataaaact 480
 ctgagcca 488

<210> 9429
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-F5

<400> 9429

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agaatgagtt tggagtcagg caaagcgatg aaagaaatgt caatttcggt aaagaaaatg 180
actaaacat cttcttctga tcttcatgtc caaaacgcaa aatctgcctg taaatcactc 240
accaacttac ttaattcagg catcttgaaa gaagttgagc ctctagaatt ggtctccctt 300
ctgaccgcga tctccttgct catcgatatt ataaaaccta acaagagaaa atcttggaat 360
ccctacatga actagcaacc gctgcaaaat ttaaagaaca agattgaaca tcctttgttt 420
tcccgagaaa ccaanaagcc aaaagccttg ttagtgccg att 463

<210> 9430

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-111-Q1-E1-F6

<400> 9430

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tcagactaca atgttggtga agataacaat cacttcgtg gtagcgagac taggccagtt 180
aacgagtcta ggccagtcct tggcgccact ccatctatac tctcggtgc tcgggctttt 240
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tctgctctct ctggaagtcc ttctccatca tctcactg gagaagtcac tgggttcctt 360
gctcactcta cctggggaaa tgatcacact cgtcctcctg gacttgagc ggttgagac 420
ggttatgcta ggcattcacc aagctatgga tcccaggctc atggtgggac acatagggat 480
gct 483

<210> 9431

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-G10

<400> 9431

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taaagctata agattagcat ttgagctttg tangcctcac aaagtttttg agctcttcag 120
tggtctctgc aggaaaagag attcagacga ncagatagtg aaagctcttc anggacttga 180
aaaagaagag ttccgtctac tttttgaata tgtccgagaa tggaacacaa aaccaaagct 240
atgccacatt gctcagtttg ttctttanaa aaccttcaac anacttcctc ccacagaaat 300
tgttcangta aaaggaattg gggaactcct ggaagggtta atcccatata gtcagagaca 360
tttcagtaga attgacagat ttgtaagaag cagtttcttg ttagactaca cacttggtga 420
gatgtctgtg atcgattcaa gagactgttg agacagatat cctaaggacg agaangaa 478

<210> 9432
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-G11

<400> 9432

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gtggtgaatg gcggaggggt atctactggt gaaaacccta agaaaattgt agacctcaac 180
actacggagt tagatcgtac tgacgacatt ctcgacggag aagtcaaggg attttcagat 240
tctggtgaaa agaaggaaga aaccgactct aatggtattg gatcgacggc tgggtgtgat 300
tctggggata tctctccggt cgatgatatc canaagaaga ttcgacgtgc tgaaaagttt 360
ggtgtttcgg tgaaattgac cgaagaggag aagcgcaatt ctctgtctga gaggtttggt 420
actgtagctg cagcagtggt gaatggctca gagggaaacga 460

<210> 9433
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-G4

<400> 9433

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actaaagaaa gaatcgtaac agacggatca caaacagtca cagatccgag ccctgttttg 180
agtttacgag aagaatatta aaattctcat ctttaaccat tttatccgat catgaatgtg 240
agagacgagg gaaaaactac ggcgagagaaa cacggcggag gagaggagaa taaatcacccg 300
gagaacaaat ggcgatttaa ttctcctcta gctcaagtga gcttaatggg attcgtttgt 360
ttctgttgtc caggaatggt caacgctctc tccggcatgg gaggcggtgg tcaagtagat 420
tcaaccgctg ctaacaacgc taacaacgcc gtttacaccg ctttcaacgt tttcgggctt 480
ttaa 484

<210> 9434
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-G6

<400> 9434

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cttatgaagg aaactctgac gtcattcctt tanattatgc tttgcttaga gagaatccag 180
naatggttga ttctggtaat ggtttgagat actttaatcn cttcgacgct caaatcgacg 240
ccgttttcgc atcaatgtcg gcttttaaagt acgatgatat cgaaatcatt gtcacggaaa 300
ctggttggcc gtcgaaagga gatgagaatg aagtcggagc tactctagct aacgcagctt 360
cttacaacgg naacttaatc cgtcggatct tgacacgtgg aggtacaccg ttacgtccca 420
aagcagatnt aacnggcnat cttttcgctc tgttcaacga gaacaa 466

<210> 9435
<211> 451
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-111-Q1-E1-H2

<400> 9435

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gtttcaccaa tgggtgttcgc agatgatttg acaccaatcc cagagggcaa accccaagtg 180
gtgcagtggg tcaataccca cgttggtcca ttggctcaac gtaaaggctt agatcctgct 240
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aaaacactaa cagacgcaat aaagagcgtt ccccgcanng gaacacaaag cgggggtgatt 360
atanaaatgg gctcatggtn gagtncagag gagaaaggtc actatccgac naggaacaaa 420
acccttcaat tacnattgat gggacaaccc a 451

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<210> 9436

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-111-Q1-E1-H5

<400> 9436

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agtctctaata ttctctatcc atcgtcggag acgccactcg tcgttttcta tctctcaagc 180
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tttagtgggc tgtgataggt agttcagtag atgaaacat ctgctttgga agtgatgatt 480
tcaaaattgg gagcttttga tg 502

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<210> 9437

<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-E6

<400> 9437

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ctaattgcgg cgaggcggat ccaacgattg tctttacacc tatctccctc cttgacgccg 180
tcgccgtcgt taccgttggg gcagacggag acgtgttcgg cgaggtcgaa gaagctggat 240
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atcttcgact ttttcaattc ccgacccgat ttgcagacgc cgatcgagat ctccaaggat 360
gatcatcggg aattgtgtat gaatcagctt atagggcttg ttagagaagc tggggtaagg 420
ccgtttangt atgttgctga tgatcctgag aagtatttcg caatcatgga agctgttgga 480
agtgttgata tgtcccttgg 500
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<210> 9438
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C2

<400> 9438

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gctgcttcag tacactgtac cttgatgtcc gtcgtatgca acaacaagaa tcaactctgct 180
cggccgaaac ttccaaactc gtctttgtta cctggattcg atgttggtgt tcaagctgct 240
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accactaatt ctgagagagc taagcagaga aaacacacca ttgatccttc ttctcctgat 360
tttcaaccaa ttccatcttt tgaagaatgc tttcctaaga gcactaaaga acacaaggaa 420
gttggtccatg aagaatctgg tcatgttctt aaagttccct ttcgtcgtgt tcatttgtct 480
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ggtggtgagc cagcttttga t

501

<210> 9439
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C3

<400> 9439

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ggagcactga gacatcaaac atggtttctt ctttctttca ctcttaaaaa aaccaattta 180
gccctaaaaa cctcctttta gtttaatccc aaaagttcct caaatctctt ctattctctc 240
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cctgcaaaaa ctgggttttt cctcgtgtac ttgttcatct tatctcctct gcataaactt 360
cattgaagaa aaagtctttt ttattttgtt gatctctttt aattaagatc cttttgggtt 420
ttaatttatt aatctccaag aaaaaaatg ggatatgaag aagccatgaa atgatagaga 480
gaagaaagag aa 492

<210> 9440
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C6

<400> 9440

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tcagtctctg tgttacgaac tgattccgtt cagtgaaaaa aaatggtgag cgtttcaagc 240
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acagatggag tgtcgttttg gagttgaaga aggtattaac taaggaaagc tcaaaggcat 360

ttacaccgga taagttttaga gacgataaac gcgggttatc ttactccgat ttccaccgcg 420
aagatnacga aaaaagttga agatgtatgt cctaaa 456

<210> 9441
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C7

<400> 9441

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ctacagcttt attgacttac ctgaaatcta aagcgacaac tgtgggtgct gccgatttgg 180
ccaatctttc acttgaaact gaccagctcc aagatacaat agacgaacat gatgggactt 240
atgtcactga gatgettcag catgtagaga ccgttacagg cgtcatggag tctctggcta 300
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aagaggaaat tcaaagaaag gttggccaac tcgagaacat gtccgtgaag ttagaggaca 420
tggaagagtt tgctcttggg accagtagta ttctctgtga aatgcggcag agggttgatg 480
atttggttga agagacctct 500

<210> 9442
<211> 296
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C9

<400> 9442

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agctgctgca gatttcaggc acgcattggt ccttgaacca cagaacaaga cggcaaagggt 120
tgctgagaag agactccgaa aacacatatg agttaaaaag gattattact cgatttctct 180
tgttcaccaa tctatctttt cacttatcta aaaccctaaa aaggaaagggt tttgctccgg 240
tttcaacana ctaataattt agtggttttg tgacnaaann aaaaanaaaa aaaagg 296

<210> 9443
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-111-Q1-E1-D1

 <400> 9443

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 tatattcagc tctaataaag aacggacagg agttgcagtc ttctacccaa gtttcacatg 120
 agtcccaagg tgaacagaaa gttaatttat cagtagaagc tccaatacaa gattctgggt 180
 ctgtatctgc ctcaagtaat gacggtagga aagtgtcaag acaagatatt gaacttgtcc 240
 aaaatttgat agaaagatgt ctccaagttg tacatgagca gagatgaggt cgtaaaagac 300
 actcttgacc cgtgcaaggg attgaccctg ggttttacaa cattagtatg gcaaaaactg 360
 gaagaagaaa acgcagagtt tttcaaggca tattacatca gactgaaact gaagaagcaa 420
 atagttgtat tcaatcattt gcttgagcat cagtatcacc tcacgaa 467

<210> 9444
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-D11

 <400> 9444

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 tgaattgacc attttttttt tataaggatt cgatgaagaa attgagaagc tattactcaa 120
 atgtgagann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nngagaggaa atggatattt ttccctctat tgattggttc aatcttgcgt ttgttcttac 240
 tcttcctcac aacaacctta acttcaccaa ccggaggagt ccgatttctc ctttttacct 300
 gaccggtttt gttaaccgga tctggttcat cagctttcgt tgaatccaaa atcaaacctc 360
 aacaaatctc atcaactccg tcgccaccgc gttttgctta cttgatttct ggatccgccg 420
 gcgacgggaa atctctccgg cgaactcttt tgggctctt 459

<210> 9445
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-D4

<400> 9445

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tggtgttctg gttctctctc tcggtaactt tctgagctga agaaccctaa ttcttatctt 120
caccggattc cgggtatagg gctttgtaaa gttgttgaat ttacaaagaa agatatgctg 180
ggtttgtctg ggttttgtag aagaatctgt gttgttgcct tgagattaaa gtccgaacaa 240
tggtgggttt gattcatgtc cttgatgagc tcgtcaatgg tcttatgcca ctgcttatca 300
ttcagtagtc aaaaccaga tcctgaatca tcatcatctt ctcttcttcg ttataagcct 360
tgtgattcga tttcgttgtg gggtaagaga aggaagaagc tttggagatt tgttcccagt 420
gcggagaaga ataacagtca tacgggtaat aataataaga ggagaagaag ctggtggcag 480
angtttttct ttgatgatga 500
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<210> 9446
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-111-Q1-E1-E1

<400> 9446

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agcggcggct actactaagt ttcaagtttt tgaaattttg aanaaatggg tgagaatcag 120
tgtgctcaat gatggtctta agagtatgta caatgcagag aagagaggaa agaggcaggt 180
tatgatcagg ccttcttcta aagttatcat caagttcctt atcgtcatgc aaaagcacgg 240
ttacattggc gagtttgagt atgttgatga ccacaggtct ggtaagattg ttgttgagct 300
taatggaagg ctgaacaagt gtggagtat cagtcctcgt ttcgatgtcg gtgttaanga 360
gattgaagga tggactgctc gtctacttcc ttccagacag tttggtttca ttgttctgac 420
gacctcagcg gggaatcatg gatcatgaaa gaaactagga gaaagaacgt tgggtggcaaa 480
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gttcttgggg ttctttactg aagcaagg

508

<210> 9447
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-E11

<400> 9447

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gacatgaaag agaagctctc ttacattgct ctagacttcg agcaagagct agagacttcc 120
aaaacaagct cgtccgttga gaaaagcttc gagcttcctg atggacaagt gataaccatt 180
ggagcagaga ggttccggtg tccggaagtt ctgttcacgc cgtcaatgat cggaatggaa 240
aatccaggaa tccatgaaac cacatataac tctatcatga aatgtgatgt ggatattagg 300
aaagacttgt atggtaacat tgtgctaagt ggtggaacca caatgtttgg agggattggg 360
gatagaatga gcaaagagat tacggctttg gctccaagta gtatgaagat taaggtcgtg 420
gctccaccgg agangaagta c 441

<210> 9448
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-E2

<400> 9448

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aatcatcatc atacatgttt tgtaggtgat agcaagagaa gcaagagagt tcaagattgg 120
aggatcagtg ttttactatg cattgatagt gatcacagga ataatatggc aaggtttctt 180
cttaggagcc atagggattg tgttttgtgc atcatcacta gcttctggtg ttctgataag 240
tgttctgctt ccggtgactg aagttttcgc cgtcgtttgt ttccgggaga agtttcaggc 300
aagagaaagg tgtctctcta cttctttctc tttgggggat ttgtctctta cttctacggc 360
gagtttaa at ccggcaagaa agttgttgat aaacctcaac cgccggagac agaactgccc 420

aatcctcccg gtaatgatta agttgcctaa attccataa

459

<210> 9449

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-111-Q1-E1-E4

<400> 9449

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agctcaaatt tttggatggc aattggcaca aggtttcttc ttgggagttt caactgtttg 120

cttgaacaa tgaaggccta tgcatacaga atatttcgtg atgaatatca agctaccgca 180

atgtcagctg ttagtactgc ttggggcatt ggactgatca ttggccctgc tcttgggtgg 240

tttttagctc agccggcaga caaatatcca aatgtgttct cccaagaatc tctttttggc 300

agattccggt atgcattgcc ttgctttacg anttcaactt ttgccttgct tgtgacanta 360

ctaagccgct tcatcccgga gacactgcac aatcataagc tggacagctt atcacatgat 420

gattcatagc atatacttga agctgcatcc catgaat 457

<210> 9450

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-111-Q1-E1-E5

<400> 9450

acgcgtccgg ccaaagctgc cattgccatt tctgtctctg aagtcactca gtcgcctgaa 60

attctcgagt tatcgagaga aatcaaagag aagatgaagg aagcagatat ccacgatctt 120

gaaggcaaaa tggatcttaa gattagagct cttgagttag tcgaagagat gaggaccaag 180

agagctgacc aacaggcggg gttgctgttg gaagccttca acaaagatag agcatccttg 240

ccacagcccg ttccagctca accaccatct tccgaattac ctccaccgga tcctcgact 300

caagaaatga taaatgagaa actgaagaag gcagaagatc ttgggtgaac aagggaatgg 360

ttgatgaagc ccaagaaagc cctggaaaga aggctgaagc tcttaagaaa gctttacaag 420

ttagacgaga acctccaagc aagattcaac gaagtacacc gctgttga 468

<210> 9451
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-111-Q1-E1-C10

<400> 9451

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taactttccc aacgaaaaat gttccgatca atgattgntc gatctgcttc cccantgnag 120
caggggtcttc tccgcagagg attcgctctt gnatctgttc ccgatcgcaa agtcgtcatc 180
ctcgggtgccg ccgggtgggat cggccancca ntttctcttc tcatgaagct taacctcttc 240
gtcactttctc tctccctcta tgatatcgcc aacactcncg gcgttgctgc tgacgtcggc 300
cacatcaaca cccgatctca ggtttctggg tacntgggtg atgatgattt ggggaaagct 360
ctataangcg ctgacctcgn cattattcca gctggtgtcc caangaatcc tggcatgacc 420
cgtgatgate ttttcaacat caatgctggc attgtcaaga acctcagcat cnccatcgcc 480
aat 483

<210> 9452
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-A3

<400> 9452

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gctactcacg tgggatcctt cccccaagtg tctcttctca acgatcctct acattggtct 120
ctcctccttc ctacnccaca tctccagct tcaagcgtct aaaatcgagc tcaatcttcg 180
gggattcact acgattagca ccaaaatcgc aacttaaagc cacaaaagct aagagcaatg 240
gtgcttcaac tgtgaccaa tgtgaaattg gccaaagctt ggaagagttt ttggcacaag 300
caactcctga caagggattg agaactttgc tgatgtgtat gggagaagca ttgagaacaa 360

tagcttttaa agttagaaca gcttcttgcg gtggnacann ntgtgttaat tcctttggtg 420
atgaacaaac tcgcctgttg gataagn 447

<210> 9453
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-A5

<400> 9453

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tgtatcgtct ctaataccca gaaagacttc ttcttcattg tcatgcctta gcaacagaga 120
tttatcgtct ccttataatt gctgttggcg actatccaga ggcaaaattt tgacttctct 180
cagtaactca cggaaatttg ctgtgggaaa ggaagcagaa gatgggtttc tatcgaatgt 240
gagcgaagat actgatgaga tgttcgacga cttgttcaac aaatatggga aggttgtttt 300
tagaagcact gatgttaagt ctccaacagc tgaggttgac gatgatgcag agagtttagc 360
atttgctgtt gaattggcta aaagttgcga gtgatgttga aagctgggag atantaaagg 420
cctccttgtc aaanct 436

<210> 9454
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-A7

<400> 9454

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attcagccgc agctggaggt gactccgatt accaaatagc ggtcggatcc tcagctcgta 120
gtgggtaggc aaatcgccgt gaataagggt tacatttgct atggattgaa aggaggaaac 180
attagggttc tcaatatcaa cacagcattg aggtctctgt tccgtggcca ttcacagaga 240
gtgacggata tggctttctt tgccgaggat gttgatatgt tggccagtgt tagcctagat 300
ggaaaagttt ttgtgtggaa aatttctgaa ggtctgagg gagaggatca gcccacaaata 360

actgggaaga tagtacttgc tcttcagata ctangagagg aagacaccaa acatccacgc 420
gttttgttgg gcaactgccac aaaacangaa att 453

<210> 9455
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-A9

<400> 9455

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taagtcgtgc cggttacgac aacggaaaga aagctccggg acgttggtcg ccgtacatcc 120
ccggttatgg acagcattgt caggatgggc ggtctggata cgaagcttat cangtcatnt 180
cangncttac tcttgtegca tgcttacgcg gttgacncat tcagnaactg ngaacantgt 240
tctggnngta aacttggcct cgggnaatcn ctccaatngc cntaccctcc gtgctttatc 300
caccaaact aacggcggtc tccgttccat aaccgtcgnt ctaacggcga aagatgttac 360
cgtcgaaaaga ttctgtatga gccgggtgccg ggactcacgg atcctccggg tcgaatcccc 420
cgtcgcgcag cttaacgggc gccggttacg tatgggtccg ggaactccga gacgcagttg 480
cccttgata attgcgcgtg gccgtttt 508

<210> 9456
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-B1

<400> 9456

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aaaccctaaa agaagcaatc tttagtctct tctcttctt atttttctg gggagaaaga 120
aatttcactt ttttttatcc gatttctgct tcatctgggt tttggatttt tgcgatcgat 180
tttgagaaat tagcaaacia tgtcgggttc tggaggagtt tcaatcgac gtacagcgat 240
ccgtggtgag aatcggtttt ataatccacc tccgatgcgt aggatgcagc aagaggccca 300
attgcagcaa cagattaggg agaagcaacg tcgtgatgat gaagatgagg ttttgatgga 360

taaggaaagg agaaaaggct gctactgttg ctccgaggac tactaaggaa aaggtcctgg 420
gtgtgtccgg aaaa 434

<210> 9457
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-B4

<400> 9457

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tgtacaacga tggcctacag tgctgatgga actaggctat tttcttgtgg gacgagtaaa 120
gatggggaat cgttcatagt tgagtggaat gaaagcgaag gagctgtgaa gagaacttat 180
caaggattcc acaagcgttc ccttgggtgtt gtccagtttg atactactaa aaaccgttat 240
ctcgtgcgg gtgacgactt ctccattaag ttctgggata tggacaccat acagcttttg 300
actgccattg atgctgatgg aggtctccag gcaagtccac ggatnagatt taacaaggaa 360
ngctctctct tggctgtttc cgcaaatga caatatgatt aangttatgg caaaactcaa 420
gattggtcca aaggtattg cacacaag 448

<210> 9458
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-B5

<400> 9458

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tccttgttta acccttcttc aaacgtcctt cctcgtagag atttccctct tctgctttg 120
aaattgaaga aagtttcagt gctgcctcga atcttgcacc agaaacgact catcagagct 180
cagtgtctg atggattcaa accagaggaa gacgatgggt ttgtcctaga agacgttcct 240
cacttgacca aatttctccc tgatttaccg tcatatccaa atccattgaa agaaagccaa 300
gcatatgcca ttgttaagcg aacttttgtc agttccgaag atgtggttgc gcaaaatatt 360

gtagtccaag aaggggaagta agncgaggga gtacacttta ngcgaac

407

<210> 9459
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-110-Q1-E1-B6

<400> 9459

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ctgagcctat agtcggtgct caatccttat ctgaaagcaa cctcggagcc ataccaaatc 120
gctacgtcaa gcctctatct cagcgtccaa acataacccc tcacaacaaa cacaaccctc 180
agaccaccac catccccatc attgacttag gtcgctata cacggacgac ctaactctac 240
aagccaaaac gcttgatgaa atctcaaagg cttgtagaga attgggattt ttccaagtgg 300
tgaaccacgg gatgagtcct cagctcatgg accaagctaa agcaacatgg agagaattct 360
ttaatctccc catggaactc aaaaatatgc atgctaattc gccgaaaaac ttacgaagga 420
tatggga 427

<210> 9460
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-B7

<400> 9460

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cgtaatcaac acctaatcgc ttgatcgatg ttaaattcga gactttccag cagaaaatgg 120
agaatgagac agaattgagg gttgttcac aggaagaaca acaacgcgaa gaaggagaag 180
atgaatcaca gccacaaaac ccaccaccag ccttacgacg tcgtttcgtg atatatcttt 240
acgttgata ttttcttgca agatggagtg ccagaacatg ggaattctct gttgcattgt 300
atatgatcca cttgtggcca aactctctgc ttctcgtgc catttatggg gctatagaat 360
ctggttctac tgcaatcttt ggtcccattg tggggcaatg ggtcgaggga atggactacg 420

ttaaagntcc taagactccg ggctcccgg

449

<210> 9461
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-B9

<400> 9461

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gtctaaaaat ggcgatgcta ggtttttacg taacgttcat tttctttctt gtatgcctat 120
ttacttattt cttcctccaa aagaaacctc aaggtcagcc tattctcaag aactggccgt 180
tcctcaggat gtttcaggga atgctccacc anatccctcg tatctacgac tggaccgtcg 240
aggtgcttga ggcgaccaat ctaacttttt atttcaaagg gccatggctt agtggaacgg 300
acatgttggt caccgccgnt ccaaggaata ttcacacat actaagctca nactttggga 360
attaccctaa aggacctgag ttcaagaaga tctttgatgt tttggganaa ggaatcttaa 420
ccgttgattt tgagttgtgg gaggagatga ggaagtcana tcangcccta ntcnacaatc 480
aagatttcat cgagctctca gt 502

<210> 9462
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-110-Q1-E1-C1

<400> 9462

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ttacctcttg ctccccaatc tcaacttctt cgtctatttc ccgaacctcc ttcgtccctc 120
ttacacttcg caatcgtact ttcttctcca accagaatta cagtaggcgt gtacttatca 180
gctgctcttc ttctttgtcc tcagacaatg gttcatctcc agactccatg aacggaaacg 240
ggaacgggaa cgggagtagc ttaaaccggc aatcatcttt ccacagactg ccttcctttg 300
atggaacatc caaaccaccg cttaaataga gaagggtttt actcaaaggt cagtgggaga 360

agctcttgct ggagacgagg agcaaaatat cgacccaaag gttactatgg gcgattgcaa 420
 gggaaagttc agcanttgac tccacttggc attga 455

<210> 9463
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-110-Q1-E1-C10
 <400> 9463

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt gcagaatcaa 240
 agtctgggag ctgttgatga aggtgttaag attaaaaaga agctcgaaga ttttaactgg 300
 gaccattcct ttgttaagga attgcctggg gatcctagaa ccgatgttat ctgcgctgag 360
 gtattacatg cttgctattc aaaagtttcc ccatcagtag aagtggatga tcttcagctt 420
 gtagcatggg ctgtctctgt tgcagagcta ttagatttgg atcctaaaga a 471

<210> 9464
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-110-Q1-E1-C2
 <400> 9464

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 agaatctacc gatgtctgaa ttctttaatc aaaagatctt gtgctcaatc tctatgatca 180
 tacgccccat ttcacacttt gtttcacctc tcagtttttt tttttgtgtt tttttgtccc 240
 tctttgtttc acttgagaac aacccccctt gaactcgatc aagaaagcta agtttgaaga 300
 atcaagaatg gtgcggacac cgtgttgcaa agctgaacta gggttaaaga aaggagcttg 360

gactcccgag gaagatcaga agcttctctc ttaccttaac cgccacgggt gaaggggtgga 420
 tggcgaaact ctccccgaa aaaagctggg actcaaggag atgcggcaaa agcctggcag 480
 a 481

<210> 9465
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-110-Q1-E1-C3

<400> 9465

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 aaaggatata tttgttcttc cggagagaaa gagatcaaat ctgctattag tttgtttgac 120
 gaagtacttg tctcttggg ataaaaggaa tccggggact cccaaacctc gcctttttac 180
 tgttggtcgt cttgatgttg ccacaacggg attgatagtt gttacaaatg atggagattt 240
 cgcacagaaa ctttcacatc cttcatctag tttaccgaaa gaatatatta ccacggttgt 300
 cggtgatata cacaaacgac acttaatggc tatcagtga ggcacaatgg tgggaaggag 360
 tccactgtgt ccagattca gttgaagttg atgccaaaag cagcatgata taccaagagc 420
 aaggctgcgt atanttggtt caccaaagga agaaatnatg ga 462

<210> 9466
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-110-Q1-E1-A1

<400> 9466

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 acaaaattca taagagaaca tagaataagt agtgagatct aatcctcttc catgtttttt 180
 gtctataaag tagcaattag aacttcaatc ttcaatttca tttccattaa cattgtttcc 240
 cattcacaaa gttgactttt ttttctttgg ttttagcttc agttcaagat tcttcagttg 300

ggtgtactaa agttttgaaa tttctttggt taaacattaa aaagtttatg ttttgatcgt 360
 tangtgtgct gcttcattgg gtccaatgat gatgaatgtg ttgggtaana acccngtatc 420
 cngttcaaag gtogatac 437

<210> 9467
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-F12
 <400> 9467

cgcctgnccg taaagggtccg anattcccgg gtcgnccac gcgtccgggt ngtctttctt 60
 gtaagcagcc aactacaacc gaagagatat atgatacaat agtcatatt gatttggcta 120
 cagagtcttc cccgagcttg agttcctctg ttcagtctcc atatcctgtt atttgtagtc 180
 atttgatga catatataaa atgattctgg acaagttggc taagctggat gatctcttac 240
 cggtggttct taagaaatgc ttgggcacaa atggaacatg tccaatctct gtgttcaact 300
 attccctttt ggtgaacttc aagacaaagc taagtagcca ctctgctccc aagcaaaatg 360
 ggcataagaa cttcaagcag caattcactc ggaaggcctc gcgagagctt tttgttaaga 420
 agttttcctg caaggctccc gtttatcata actgtagaat atacgctaata gatggacggg 480
 t 481

<210> 9468
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-F4
 <400> 9468

cgggtccggaa aaaccgggtc gaccacgcg tccgctcatc tctggctatc ttagagggat 60
 ttttgattga gattttaaaa ttttctgagt tggattagtt ggttggtaaa gagatggatc 120
 cggatacggg gaantcgacc ctctcgaatc tggcattcgg gaatgtattg gcggcagctg 180
 ctagagatta taaaaaggaa gttcttgcaa atgaaaaggc acaaggatca agacctgtca 240

acgaggaagt tgatcttgac gaattgatgg atgatccaag agctanaaaa gttgcacgca 300
 nataggattg cagcactcac ganagaagtg gaaaaagaga gaagcattca aaagacaagg 360
 acatggtgaa taccgagaag ttancgaaag cgacttcttg ggagaagtca caangagtga 420
 aaaaattata tgtcacttct ancacaagga gttctatcgc tgcaagataa tggacaaagc 480
 antttaaaga cccttgcgc 499

<210> 9469
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-F6

<400> 9469

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 caagtacctt catatggaac ttgatectcc gtttacaatc tctgagctga gctcaaacgc 120
 aatttatctc acagaagatt ttactcccaa gctggttgat ttcgaatgct ggaagacaat 180
 tcttgcaaga tcagaaaaga atttgagaaa tattagtagc cagggttcga tatgtgtact 240
 cccaagacgg aatggagagc cgatatcttg atgtgtcggg taatatctat gcattcggga 300
 ttcttttgcg ggaaattgtc agtggaagac ctccttattg caaagacnaa ggattcttaa 360
 ttgaatgggc aaaggagttc cttgaagcac caagaggcaa tgtcgggatt ggtggatnca 420
 gagctgaaac attttaacca agaagatctt gagacggtat gcgaagtggc tatccaatgc 480
 ttgaaccggg gaccaacca tcaacaacaa cnatca 516

<210> 9470
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-109-Q1-E1-F9

<400> 9470

gggtcactt ctgcacgata tgtggcaagg gtttcaagag agacgcgaat ttgaggatgc 60
 atatgagagg gcatggagat gagtacaaaa cagcagctgc tctggcgaaa ccgaacaaag 120
 aatccgtacc cgggtctgag ccgatgctga tcaagaggta ctcgtgccca ttccttggtt 180

gcaaacgtaa caaggagcac aaaaagttcc agcctttgaa aacgattcta tgcgtgaaga 240
atcactataa acgcacccac tgcgataaaa gcttcacttg cagccggtgc cataccaaga 300
aattctctgt cattgcagat cttaaaaccc acgagaagca ctgcgggaaa aacaagtggc 360
tttgttcctg tggtaacaaca ttttcaagga aagacaagtt gtttgggtca catagctctg 420
ttccaaggga cac 433

<210> 9471
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-G4

<400> 9471

cgtccgaaaa gcgtcactag gaagctgcga ctatttgact gactctgatt tcacgcgact 60
ccttgtgaga ttctccgatt gcttcgcctg agtttctggg ttaactctcc acgccgtcac 120
tttgatcttt gcttttccga tctttagggt ttttgtttag ggaattgtcg aagactctgc 180
tctaacatgt ctggaagaaa agaaacggtt ttagatttgg ccaantttgt agataanggt 240
gtgcaagtta agctcactgg tgggtanacaa gtgactggaa ctcttaaang ctatgaccaa 300
ttgcttaatc ttgttcttga tgaagcaatc gagttcggtc gagatcatga tgatcctttg 360
aagactacgg atnagacaag acgccttggg tttgattggt tgccgtggaa cancggtgat 420
gcttgtctca ccaaccgatg gcaccgaaga aatcccctaa cccgtttc 468

<210> 9472
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-G5

<400> 9472

cttttccgcn cctaccggtc aaaattcccg ggtcgacca cgcgtccgct gaattgattg 60
ctaagatcat atgtcatggt gctcaggact atactagagc tacacttagg acttcctttc 120
ttgcttcttg tgtttcatct tgccatagcc ggactgtgag tcttgctgat actgtaactg 180

ttatggctca aaggttgac gagcgtctcc aagagtgtaa cggatgatgag gtcctcaaag 240
 cagaagctgg tgctaaagtt caaaagttta ctgaatgggc actcaaagt ataggttttc 300
 actcccgatg ccagggccct agagataaag ctaaccaaga ctcagctgct gagatccaac 360
 tccagctttc tgctttcaag atgttcttag atcttgagg aaaccatcta tcaggaaagg 420
 atttcacaga ancctttgat gcagcttgct tcccgcttac gctgttctct acctccgttt 480
 aatcctggct gggcttctgg aatttca 507

<210> 9473
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-G6
 <400> 9473

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 gganattgta atgtttagtt tcattantcn taagttatct ggatttgaat attcancat 180
 cgttttggat atcancataa tgatctcgat aaaagttgt aactttgcca caactgatag 240
 atttcaatga taatgctctc agatttgtaa tcttattcca tggtttctga tttatggntg 300
 tgcanagtga tgcatttttg ctantgcttc cttnaagatt agcttntann cagttggntg 360
 atagtttgat tgcttacaga aagcggatta aagatggatt actaaccact aagtaatgtt 420
 tcaggtccaa gtcgaancac taccctaaca cttctctcgt ccagan 466

<210> 9474
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-109-Q1-E1-G9
 <400> 9474

acgcgtccgc ttattttcga tatgtttagg ggaaaaatat ttgtgttatc attattttct 60
 atttacgtcc tctcatcagc ggctgaaaaa aatacatcat tttctgcgct ttttgctttt 120

ggtgattcag tcttagatac gggaaacaat aattttcttc ttactcttct caaaggaaat 180
 tattggccat atggtttgag ttttgactat aaatttccga cgggaagatt cggaaatgga 240
 agagttttca ccgatatagt tgccgaaggt ttacagatca aaagacttgt accagcttat 300
 agcaagattc gtcgcatcag ttctgaagac cttaagactg gcgtttgttt tgcacaggt 360
 ggttcaggaa ttgacgatct tacatcccga aactgaaga gttttatcgg caggtgacca 420
 agtaaaagac tttaaagact atttga 446

<210> 9475
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-H11

<400> 9475

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 cttgggtcca gttgtgcaga caaagaatgg agggttcttg cgatcaatga atcccttact 120
 gttcaggaac tctaaagctg gaggcagctt gatcatgcaa gtgtcaactc cagtgggtgg 180
 gcctgctgag atgggctctg gtatcatgga gatacttcaa aaactagcca ctgctggaat 240
 tgagaagctc tcgatgcagg caaataaagt aatgcctttg gacgatataa cagggaaaac 300
 catggaagag gtgtcgtggg aaacttcacc tacaattgac attgggggac agggatcatg 360
 tatcagagcg tgaatctggt gatgcatctg gttttgtgag gggangtgaa agacgaacat 420
 catttgcagc taagccaaaa aagttt 446

<210> 9476
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-H4

<400> 9476

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 accaaaggat catcaaatga cataactggg anggaacaaa ttgtgganac aatgaaaagt 120

gaaggtgttg agcttgacct tcgtgcacga gctctcattg caagacacta tgcattcagct 180
 gggcttaaag agaaggctga gaaagtgtg aaagagatgg aaggtgaaag cttggaggaa 240
 aatcggcata tgtgcaagga tttgctttcc gtctatggct atctccagag ggaggatgaa 300
 gtgcgcanag tttggaatga tctgtgaaga aaacccccgt tataacnagg tccttgctgc 360
 aatcttggct tttggaaaga tcnataaagt caaagatgca gaggcgggtt ttgagaaagt 420
 gttgaangat gtcccataga gtttcttcta atgtttactc cgttctcttg aaggtttacg 480
 tggatcacia gatggtctca gaagggtaan 510

<210> 9477
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-H5
 <400> 9477

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 aaggggatgg aaaggatcag tcaacccaaa tgtgaagaag tttgaacaag ctcacaattg 120
 ccttcttcca atgggtatta cttcagaaaa tgtagcacac cggtttaatg tttcaaggga 180
 ggagcaggat caagctgctg ttgattctca cagaaaggct gcttctgcta ctgcttccgg 240
 aaagtttaag gatgagataa cccctgtaaa aaccaagatt gttgacccaa agacagggtga 300
 tgagaaaccc ataacagttt ctgtggatga tgggattcga cctaacacia ccttttccgg 360
 acttgcaaag ctgaagccag tgtttaagga anacggaacc acaactgctg ggaattctaa 420
 ccaattaagt gacggtgctg ganctgttct cc 452

<210> 9478
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-H6
 <400> 9478

gttcgctcng cccgggtcgt naagaaatcg cgggtcgacc cacgcgtccg cttaagtga 60

actgtagntg aagctcttag attgctggat atgtcacctg atacttattt ctcaacttcan 120
gctgaataaa gaatgacggc acaccaatca gcagctcact gcctcctccc ttcccacctt 180
gcaacttgag aacagcgctt acacnatatg catgtctttt gagttctcca nagaagtctg 240
ctttagttgc gttggctgct catgcatctg atcctaccga agcagaacga ttaaaacacc 300
ttgcttcacc tgctggaaag gatgaatatt caaagtgggt agtacagagt caangaagtc 360
tacttgaggt gatggccgag tttccttcag ccaagccacc acttggtgtc ttcttcgctg 420
gagttgcccc aaggttgag cctaagttct attcganac atcatcgncc aagattgctg 480
aaactagaan tcacgtcaca tgtgcactgg ggt 513

<210> 9479
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-H9

<400> 9479

tgccccattt gctttgagtt tctgtttgaa tcacggaacg atgtgacggt tttaccatgt 60
ggacacacaa ttcatcagaa gtgcttggag gaaatgagag atcattacca atatgctgtc 120
ccactttgct caaaatctgt atgcgacatg tcaaaagtgt gggagaantt tgacatggag 180
attgcggtta caccaatgcc agaaccatac cagaacagaa tggttcagat tctctgcaac 240
gactgtggga agaaagcaga ggtacagtac catgtggtgg ctcaaaaatg cccaaactgc 300
aaatcataca aactcgcca aaccaagagg ctgaagcttt ttttgaagtt gatttgctat 360
caaatgcaat taagagcttt tcaacttgatt caatagtgtc attgg 405

<210> 9480
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-109-Q1-E1-F11

<400> 9480

acgcgtccgc gacaacgaag ggcgaagaat ctgcctccct caatttcgca ttgccatcga 60
ttttcttaga ggttaaaatg gttgaacaga ctgagcacc cagattctt cagaagggtt 120

ctggccaact cttgagctcg agtgtttctc aggacattcg tggttatgct tcggcttcca 180
aaaggcctgc tacataccag aaacatgcag cttacggaaa ctactccaat gctgcatttc 240
aatatcctct tgtggctgca tctcagattg caactactac ttctcctgtg tttgtccaag 300
ctccaaggag agaagggatt tactaacttt gctattgatt tcatgatggg tgggtgtttct 360
gctgctgtgt caaagactgc tgctgctccc attgagcgtg tcaagctttt gattcaaaac 420
caaggatgag atgcttaagg ctggaagg 448

<210> 9481
<211> 468
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-B6
<400> 9481

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ccattagggt ttatctgagc tccaaaatca ccctaattct agtgtatttc tcagcaagca 120
agcttcttct ttttttgtcc tgggtaactg tgattgttgc aggatcttgt gtagaaacag 180
atcacaagaa gatgaatgat aactcgggtg tgcggtcttg attatcttca gagattttag 240
attctgtatc cactctgttg cgatgggggc gtttgcaggc gcttgtgaga ttgtggaaag 300
agaangatga tgaagtaaga ttgccaaaac attccgggag atatggnaaa tcggttatgg 360
gatcatcaaa gtaaggattg ggtggaacct tagcaacgan agtatcatgg ttctcttgag 420
tatgacattg ataatgcctt ttcagtccaa ttccgttaaa ncatctac 468

<210> 9482
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-C5
<400> 9482

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tcaatttcat tatggaatat aattatatta gcatctacaa tatgggtagc ttgaaataag 120

tggttatatgt tttgttgatt ttgaactcat taaatttggt tttcttttgt tataatttat 180
 atgaattcat gtggtgtaaa ataatttatt aataaatata taattaaagt ttcaattagc 240
 atgtcaatat gacatattac atttttactt tcacaataaa taatatctac tcaagatttg 300
 gttttttaat cgacaaaatt gatataattgg taagtcctga ttttcaaaat caactgacga 360
 cctttatggt attgaaaaaa ctaaaatgat ctcttaactt ctaaattaca cactttcatt 420
 gtttcacatc atcatcatca tctaattggt tgagagaaat gcaagat 467

<210> 9483
 <211> 529
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D1

 <400> 9483

ggtgaggnga actgtctccc tggcagtcct ggtccgnatg ataccggggt ngnccccacg 60
 cgctccgagg anacgtgggt ttctttctct cgttctcatc tttctctcta agagattttg 120
 taggtgacaa tcaaaagttt gacaaaatgg tgaagtttac agctgatgag cttcgaagga 180
 ttatggacta caaacacaa atccgtaata tgtctgttan tgctcatgtc gaccacggga 240
 aatccactct tactgattct ttggttgctg ctgctggat cattgcccac gaggttgctg 300
 gtgatgttcg tangactgat accagagctg atgaggctga acgtgggtatc actatcaagt 360
 ccaactggtat ttctctctac tacgagatga ctgatgaatc cttgaagagt ttactggag 420
 ccagagacgg naacgagtac ctcatcaa atcttantgatt cacctggggc acgttgactt 480
 ttctttctgag gttacngcng ctctccgtat taactgatgg tgctccttg 529

<210> 9484
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D10

 <400> 9484

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ncatgccatg agatcgagat tgccgccggc agcggcgaca acaacgacgc cttattcggt 120
 aaatatgagc tcggaaagct tctcggatgc ggcgcattcg ccaaagtctt ccacgcacgt 180
 gatcgtcgta ccggccaaag cgtcgccgtg aaaatcctca acaagaaaaa actcctcaca 240
 aatccagctc tagccaacaa catcaaacgc gagatctcaa tcatgagaag attatctcat 300
 ccaaacatcg tcaagctcca cgaagtaatg gcgacaaaat caaagatctt cttcgcaatg 360
 gagttttgta aaggaggaga actattcaac aaaatctcaa aacatggacg tcttagcgaa 420
 gattcaagcc ggagatatctt ccaagcaact gatctccgcc gttggttatt gccacgctcg 480
 cggtgtttac caccgcga 498

<210> 9485
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D11

<400> 9485

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 tgccctcaac gtaaccctt tctcctctc tctctttacg aacanncaaa actgaaaaca 120
 ctttatgttt ggtttttcca attatctgac aatgatcttt gttttgtttc agcccttcgg 180
 tcaaattcct gctctcgagg acggtgattt gacgcttttc ggtcagttta cttttgcttt 240
 gatcaatgat ttgacttttt tagatttaca agaaacatca ttacgcctta gtcactttgt 300
 attgggataa cgatttatcc tganatgaca agactgtgat gattagtttt gttgctgaaa 360
 agtttttggg tggtataaat atttgcagaa gtcaaagagc natcacacag tanctangcn 420
 gagggaatac aagtagnaa agggtgaaaa agcttatctc 460

<210> 9486
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D12

<400> 9486

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 tggttccggtt agtgacagga tatgtctctg agatccaaac cttgagcttg aagttgaaag 120
 gctttgtnga aaaggacatt cccactgctt gcttaaagat aataatcgaa caacgggcat 180
 gaatttcgac ccggagcagg tattccagag ctgtacgatg catccctatc ggttgaatcc 240
 ggtcttccct tcttcagaaa aattatatgg aaatggcgga agactttgtt cgtctggatc 300
 agcatgagtt tgttcattac ggaattgctt ttcacgttgg tttgttgtan acctcttagc 360
 atcccaagaa cacaacctan agacagatcg cttcaaacc caactggagt ctggaggtag 420
 attatgatgt acangtactg ttggcg 446

<210> 9487
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D3
 <400> 9487

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 tggttataga acatttgcca gaactgttgt gcttcttctt agagcaggta ctagacaccc 180
 acaagaaggg ccgtttggtg ttgttatcaa ccgtccactt cataaaaaaca tcaancatat 240
 gaaatcaacg aaaaccgagc tcgctactac gttttctgaa tgttctttgt actttggtgg 300
 tcctcttgaa gcaagcatgt ttttgttgaa aactggtgat aaaaccaaga tacctggggt 360
 tgaagaagtc atgccggggc ttaactttgg tactcgaaat agtttggatg aagctgcagt 420
 gcttgtaaag aanggagttc ttaagccaca agagtttaga ttccttgt 468

<210> 9488
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-D6
 <400> 9488

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agatgggtaa aancgcagct tggagcggtta gctcttgtaa gcccggcaat ggcgtcacca 180
ctctcngcga cgacnatctc gagacttatt ggcaatcaga tgggttataa ccacatttga 240
ttaacattca attccagaag aaagtgaaac tgcangttag tggttttgta cgttgacttt 300
aagcttgatg agagctatan accaagtaaa atctctattc cganctgggt gatggttttc 360
aaaanttaaa gggagattan gagtgtggga gcttgnataa ccaactgggt gggtttgctt 420
atctttgtcc ggaaccgatn cacngggaaa acttttgtca atanatttat 470

<210> 9489
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-D7
<400> 9489

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gtgggttgag aaacctctc tccccaaaaa cgacgtagtt tcacatttct cgaattcttg 120
aatggagttt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnccgt ttacgactct cctcctctct ctcgtgttct 240
cccaaagcc tcgacagaaa gtcatgaaac caccggaact acttccacag gcggtggcgg 300
aggattcatg gttgttcacg gcggtggagg gagcaggttt aggttccgtg agtgtctcaa 360
gaaccaagcg gtgaacatag gaggacacgc ggtcgatggt tgtggtgagt ttatgccaaag 420
ctggaatcga aggtaccatc gacgctctaa aatgcgccgc ttgtggctgt caccgtaact 480
tccancgcaa ggaattacct t 501

<210> 9490
<211> 505
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-109-Q1-E1-D8

<400> 9490

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tgtnattcga tggcgaggaa gaagatcaga gaatatgact ccaagagact tctcaaggag 180
catttgaagc gtcttgctaa tattgacctg canattcgct ctgctcangt gacagaatct 240
acggatttca ctgagttaac caaccaggag tcatggctat cgtccacaaa gctagttgtg 300
aaaccggata tgctatttgg gaaacgcggg aaaagtgggt tggtagctcn aaagctggat 360
cttgctgaag ttgcanactt tgtcaaagcc cgctcggca ctgangtcga gatggaggga 420
tgtaaagcac ctatcantac attcattgtg ggagcctttt gtgcctcatg atnaagaata 480
ctaactctct anagtatctg ataga 505

<210> 9491

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-109-Q1-E1-E10

<400> 9491

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ntacttcaga tataccatt catcctcata tgagcaggct cagagagcat ttcaggctgc 120
acaagctatc catgatttga atggtgtagc aagtgtcctt atacacaatc cttaccatat 180
tgagtcgctc ataactatgg cggattactt taagtttgta ggtgagaatg atatggctgc 240
agattccatt ggaaaatgct tgtacggttt ggagcgtgcg tggcatccta tgttcaactcc 300
gttccagggg aactgccggt tggagtttaa ccacgatgaa aacaagctgt tcttcaagac 360
gcttttcaact cacatgagaa acatggacag gcgtggctgt cataggtcag cgttggagggt 420
ctgcaaactc ttgctttcct tggacaagaa gtaatcctgt gggcgctttg ttttgtgtgg 480
actactttgc ttt 493

<210> 9492

<211> 435

<212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB24-109-Q1-E1-E11
 <400> 9492

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acaccgattt tttcactcct ctttttttca caatgctcgg tgttcaaagg attttccagg 60
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tgttgatgca gtcttattgg aacgagattg aggattgcaa ggtgaagata tttgataaac 180
tgagtgaaaa agctgaaaag gttttggaga ttggtattgg cacaggtcct aatatgagat 240
actacgctgc tcgcaatagt aacgttactc tataatgggtt ggatccaaat cccaaaatga 300
agaaatacgc acgcaaatcc gctaccaaag caggattgaa acctaaaaac tttagattca 360
agcaaggagt aggagaagct ataccattaa aagataactc tgtggatgca gttgttgcaa 420
cactggttct atgtt 435

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<210> 9493
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-E4
 <400> 9493

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ttgagcaaga cgatggtggt ggtggtatta caggatga tttgttggg acaagagatt 120
ggtaaagtgt cgtcgactct atacaaagt ggggacttgg acgcttgggg catcccaatt 180
gatgctaaag tctattccaa atggcccaa tctcactctt tcaagatcgg tgactccctc 240
ttgttcttgt accaccaag cgaagactca ctgattcaag tgacgccctc caatttcaag 300
agctgcaaca ccaaagaccc aatcttgtag atgaacgacg gcaactctct cttcaacctc 360
acccaaaacg gaacctata cttcacaagt gcaaaccctg gccactgtac caagtaccan 420
aagctcctaa tctccgtcgg cacctactcc gccgaaacag aggcttgtct cctgttcttg 480
ccgccgacgc tcctctttaa caaa 504

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<210> 9494
 <211> 482

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-109-Q1-E1-B5

 <400> 9494

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 cactgaggaa caggggcagt ttagtaaaac agccgaatcg ttcgatgtgt ctacgtggga 180
 gtgggggtcca cttacggagg acttcctcga cgacaccggc gataccgtta gccctccgac 240
 ctgcgtcgcc ggtggggatt tgtacgcgtg ctgggggtggc gatgtgatga tgtttctaaa 300
 tgacaagtgg caaaaggtgg gccaaatccc tgctgatgtg tacaatgtta cttacgtagc 360
 ggtgaagccc gggatgctga ttgtgatngg naacgggaag gcgttggctg gatacgggtga 420
 agccaccgta gggatatatat gttatttaag tagctcacna tgggtaaaaa ttgggaacac 480
 ac 482

<210> 9495
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-F11

 <400> 9495

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 caatggcgca gatggttgcg atgcccgtag cgactcgcct ctactcatt tgcaattggg 180
 caaaatchan tcctctctct cgcaaacactc ttgccctccc agcttcaaan actcccaata 240
 agcagagtct aagcatcaga tgtgctcgtg ttggtggagt ggagattccg gctaataaga 300
 naattgagta ntctcttcag gtacattcat gggattggtc gaantagggc tcgtcaggat 360
 ncntgntgat cttcagatgg agaanaagat tactanagac atggctgagg g 411

<210> 9496
 <211> 433

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-106-Q1-E1-F12

 <400> 9496

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 ggacactccc agcttgctca tactctaaag gaatcaatta cttctgcgtc gtcagttgct 180
 caagccttaa gtcgtgagtt agccgagacc caaaggaatc tcttagctct cgcagctgct 240
 ggagcaaatt ctggtgggtc taattccttg gttactcaac taagtggcgg acctttgggt 300
 gctcttcttg aaaaggttga agcacctatg gaccaacaa cagaactatc gaggttgata 360
 tctgaacgga agtacgaaga atctttcact tcggccctac agagaagcga tgtctctata 420
 gtatcatggc ttt 433

<210> 9497
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-F8

 <400> 9497

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 agatggaaat gcaattgggtc gcgtcgggca gattgaatag aagaacatgg acttgттааg 180
 ataactaagt gtagttgggtc cacatacttg ttgttctatt aagccggaaa acttcaactt 240
 gtaatttgca gcagaagaga ttgagtgtct gatcatgaat ttgcatcctt cggtggcgcg 300
 ttttgggcgt ttccacagtc cattgaaggg tttcaacact gtagacctct gatcatagtg 360
 gattcaaaag acttgaacgg caagtaccct atgaaattga tgatttcctc angactc 417

<210> 9498
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-106-Q1-E1-F9

<400> 9498

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ttatctatcg ccgccttggt gttctgttta acaagtgtag aggaacccaa gttgaaaact 120
ttgaacttcc cattgatttt aatgttaatt actgatcatt cgaatctgaa attgaagcat 180
atgagtgcctt aatctgtgag tgttagaaga agtagaagaa gatgcagagg gttaggggtt 240
catctcaaag agcagttgtg cataagcttg gtgattctca gatgacatta tctcccaaact 300
ttagagtagc tgcacgata caatcgacat tggtcgatag atcatcgga ttaagaactg 360
tctcttagag gagagccctt gattcccggt ttaccagacg atgttgcgct taactgtctt 420
ttacgggttc cagttca 437

<210> 9499

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-G10

<400> 9499

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actcganaan cacanncagc cggcgaaatt tggagatgaa gcttacgatt cctttgtcga 120
ttccgatctc tgggacttac cgtcaacaga ttacaggct ctggaagacg gagtgaggtc 180
cggatttagt atttctatac ttgactcatg ctcgaggag gttgatttga tnaatttcga 240
cttcgaatcc aactgattc tgctgctgga gaatttaggg attgatatta ncgatgtagg 300
agantggana ttcgtcaggt ctgtagaaga ncctganttt ggacctgact cntgtgtccn 360
tacttgtttt atctccggga agctcttaaa tacagatnaa agtttacaag acaac 415

<210> 9500

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-106-Q1-E1-G12

<400> 9500

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 tatcacgccg gaagattcgt aagagacctc ctgatagaga tatgtcctcc atagtttcaa 120
 tcccggagct tcctcgccgg cgggattctg aggaaagcct gcttttagat tctcgaatca 180
 gtgtagctga aggagataca tcgaatacag atgtagaagg agacagagat actacttcta 240
 gtattagaac acagcctccc cctcgtaaag gaagaaatct tagtaagcag cagaatcaaa 300
 ttctacggtg ttgaattatc accaagataa tgttgctgta gcaatggtgt attttgttca 360
 aggtgtttta ggactcgcta aggctcgctg ttagtttcta tttaaaaaga tgacttgcac 420
 cttgatcctg ctgagctggt 440

<210> 9501
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-G4

<400> 9501

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 ggacgcatca gggtcctatg tgatatacgc accagttgat ataatagcta tgaacggtgt 120
 cctgagtggg ggtgatccgg attatgtcgc tttgttacca tccggattcg ctattttgcc 180
 ggatggctct gctannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnata atcttgaagt ggttactact actgggagtt gtggcggttc 300
 actactcaca gttgcgtttc anatacttgt tgactctggt cctaccgcta aactctctct 360
 cggttcagtt gctacagtca anagtctgat naaatgcact gtcgagcgga ttaaagccgg 420
 tctggcctgn g 431

<210> 9502
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-G6

<400> 9502

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 atttgccgga gacgtcatcg aactcaatcg atctcagagg gagttcnatt atttcgctct 120
 atctcttcaa tggcctgnaa cctattgccg tggaactcgc cattgttgct ccaaaaacgc 180
 ttgctgcaga ngctccgatg ctccaactca attcacantt canggggttat ggcttgacta 240
 taacgatggt tcgtggactt catgttggtta tcgatctgga ctttanagan aaggagattt 300
 caacggttga tggatgngtc ttgagaagta ctggnctact ctcagttgtg gttctccatc 360
 atcatgcaat ggtgggaaag ggtcattttg ggggccanca tgtgggagaa acatgg 416

<210> 9503
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-G8
 <400> 9503

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 gtttaagtga cgtanaagat gttgaaggag accttgataa attaataaat ggcgttatta 120
 agaagaagct caagattatt cccaacgacc tcatatgggg aaacaattcg gatgatgtgt 180
 ttacagcaat ggaggctgct tttatgaaac ccgtaattga agacgtcgat gagcttcttg 240
 ccacgggggt agatgtgacc atctataatg gacaacttga tggtatctgt tcaacaagt 300
 gaactgaagc atgggttcac aaactcaggt gggaggggct agaagaattc aagaaaatgg 360
 aaagagagcc attattctgc gaaagtgaca gagcaacaag angctttacc aaatcataca 420

<210> 9504
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-H10
 <400> 9504

agaactggag taatggcca attcaagaat agttttgtcg ctgcaacgcc atcaantcca 60
 caaaaccaag cttatccaaa caagagacca tccctaattg gctttgtctc aggtggtact 120

attggtggag acatgggtan aactcagagt caagctcccc cagtagcacc tactcaaaac 180
gcctcatcac acaactccag ccagaatcac tcacagagtt ctgagaatcg gcctagagan 240
aggaagagaa gatctggttg ggataattga gtgagccacg ttttgcata tgatagtggg 300
agtgtttttg cacaacantg tcataaatgt tgtntaattt gttttatcct ttcccgtttc 360
agccnttgaa tanctaaatt ttccaagagn nnnngaaaaa aaaaggnggg ccgctct 417

<210> 9505
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-H11

<400> 9505

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catcttcttc gctttctggc attgttcgtc tactcgagga tttcaatttt ggtcatnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnaccggcgg ttcgtatttc cgacgggaat ctaatcatca aaaaccggac 240
gattctaacc ggtgtaccaa gataatgtca tcacgacgtc agcatcggaa agctggaccg 300
gtagaaggag tcttcgtcgg anctgtattt aacaaggaan agagtaaaca catcgtaccc 360
gatcggtagc cttcgcaatt cccggtttta gtcttgtttc cggtttaagc tctgg 415

<210> 9506
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-A10

<400> 9506

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ctattggtca ggggttactt gtgttgacgg taaagtgcac attctggatc ttagcggata 180
ttctttggaa ggaacgtag ctctgagct tagccaattg agtgacttaa gatctcta 240

actctctcgg aaccattttct ccggtggaat tccaaaggag tatgggagtt tcgaaaactt 300
 ggaagtcctg ngatttgana gagaatgatt tgaagcggac aaattccacc tgagctaagc 360
 aaangg 366

<210> 9507
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-107-Q1-E1-A12
 <400> 9507

ttcaaataaa gatggatgat tatgaaaccc ctcttttgtc caaggactca tcatcatcat 60
 catctgtgat tacttcatct ttgaaatgga tattgaaagt tgtaatgtct atgatttttg 120
 tgacttgggt tgtttttctt atgatgatgt accctgaaca actcggatgat gatttccctca 180
 catttgtctc ctccaagact ttcctaggca ccacaggaac catgttcttg attttcagtt 240
 gtccgattct tgtcatctct gtcttagctt ctctctatct cattatctcc gggaagaca 300
 aggtcttcac taagaagaag atatcgaaat tcccgaagtt taggctatgg acattccctg 360
 ttcttgtgga tggaccattt ggagtt 386

<210> 9508
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-107-Q1-E1-A3
 <400> 9508

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 ggtgataatc tctgtgttct tgagctcagt attgttgta tatagaggag aatctggaat 120
 cacaagtagt tttattcgat ctgaatggcc tgcggttgat ataccacttg atcatcatgt 180
 tttcaaagtc ccaaaaggat ataatgcacc acaacaagta cacataactc aaggtgatta 240
 tgatggtaaa gctgttatca tctcttgggt tacacctgat gaacctggtt ctagccaagt 300
 acattacggt gcggttcacg ggaaatatga gtttgttgc caanggactt accataacta 360

cacgttttac aagtatnagt ctgggcttta tncatcactg ccttgctctc ctgancnttg 420
agcatggata acaaa 435

<210> 9509
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-107-Q1-E1-A4

<400> 9509

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acattactaa ttattacaag aaacantcag aaacatcatg gaggagcaaa gcaagaacaa 120
gatcagtga gaagaaaaac aactccatgg gagaccaa at cgaccaaagg gaggattaat 180
taccatgccc ttcattctcg cgaacganat atgtgaaaaa ttagcgggtgg tgggggtttca 240
cgcaaacatg ataagttact taacaacaca gttcacctt cccttaacca aagcagccaa 300
cactctcaca aacttcgccg ggacatcgag tcttactcct ctcttggtg cctttatcgc 360
cgactctttc gccggnccga ttttggaaca tcacttttgc ttccatcatc taccaaactg 420
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<210> 9510
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-E3

<400> 9510

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catcgtaccg atcgggtacgc ttcgcaattc ccggtttatg tcttgtttcc ggtttaagct 120
ctggtggatg gccanagaa tgggagaaat gggccgagat attccctacg agacgcagtt 180
cttattggtc ganagcaacg atgggtccca ccttgagtct gacggagcta acggcgcca 240
gtgtaaccag aaagtttaca ccgttttct gccgttaatc gaangatctt tccgttcggt 300
gtctccaagg aaacgtnaac caatgacgtt gagctcngt ttgggagant ggggtgacntg 360

gacaccaaaa ncgtcgtcnt ttactcact ctctggtata ttcacncccg gtatgagatt 420
cngttttc 428

<210> 9511
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-B5

<400> 9511

acgcgtgggc ggacgcgtgg gcggacgcgt gggaagcgat catgtgaaaa caaggcagac 60
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tttggccatg ccatagaaac tggctttggt tatggagagt ggctccatgg agaagctgtt 180
gcagctggca cgtaaatggc agtggacatg tcatatcgtc ttggttggat cgatgaatcg 240
attgttaaga gagtgaacaa gatcctagta cgggcgaaat tgcctacaac tccgccagag 300
agcatgacn gtcngcatgt tcaagtccat aatggcagtg gacaanaaaa gtggcagatg 360
gactgctgan gctgattcct ctcaaaaagg ccgctgggga aactgcntgt tcaactgggaa 420

<210> 9512
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-106-Q1-E1-B6

<400> 9512

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ccgacctacc ggattcaaac cattgatctg aagatcatct ataaaccagt ccttgatcta 120
taaaactaaaa taagggaaga aaaaaacaag agagagaaat agagaatgaa gtcttttgcg 180
gctaaggtag aagagggagt taaaggaata gacggaaagc cgtcggtagg tccggtgtac 240
cggaatcttc tgcggaaaa aggttttctt ccgattgatt ctgagatcac cactgcttgg 300
gacattttca gtaaatacgt ggagaaattc cctgacaata atatgcttgg atggcgctcg 360
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<210> 9513
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-B7

<400> 9513

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atcgccctgt tttctcgctc tagtaccgcg agctcggacg aaccaggaag caatccgtta 180
atctagaagc ggtgttgaga agatgacgat tacatcaaat atctctgtac agaacgataa 240
cctcgttgtt caagggaaga ctatccttac caaaatccct gacaacatta tcctaactcc 300
ggttaccggg aatggattcg tttccgggtc atttataggc gcgacgtttg aacaaagcaa 360
gagtcttcat gtgttcccca tcggtgtant ggagggctct cggttcangt gctgtttc 418
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<210> 9514
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-106-Q1-E1-C10

<400> 9514

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tagagagata tgcaaaccat ctcgaaagct tcttctgcc cctccttttt tcgatgttct 180
aggaagctat caagccagcc atgtgtgaga cagcttaaca taagaaagag tcttgtgtgc 240
agagtgatga agctgggtctc ttcacctctt aggactttgc gtggtgctgg taaatctatc 300
cgagtttcaa agttctgcag tgtctccaat gtctcctcat tgcaaattga actggtgcct 360
tgccttaagg ataactatgc ttatatcttg catgacgagg atactggtac aagttggggg 420
ggttgaccct tctga 435
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<210> 9515
 <211> 407
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-C12

<400> 9515

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gattgattgc aactttctatc tccattctcc tgctcattta atattccaat taatagtcaa 120
tctcgtcgaa tcttcaattt tttaaagctt ttgggtcaaata caaatgtaat gcaaagacag 180
acccaaaacct cctcttctctc ctcttaaaga cttcctcncc tacaaaatct ccaattannt 240
ccaacctccc cgccaaagac ctttctntcaa caatcccaan tttccgttctn tgnttncnga 300
ntgaaaacca gatattgnat aagccaaggg nnngccaaacc gggaaagcta accggatttg 360
nccanattcn tcaaatcctt tccatggaat gtgcttcaaa ntgtttt 407

<210> 9516

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-C3

<400> 9516

cntgtacgcc caagaattcc caagtcgacc cangcgtccg cttgcaatgt gtagaatgtg 60
tgctgttaat ctcttttaggg tctttcctcc gaattatcgg tctagtcttg gtggcgaaaa 120
cgatgatgat gaaccgatgt ttgacctgc ttggcctcat ttgcagattg tgtatgattt 180
gttgcttaag tttatcactt ctccgtgtct tgatgctaaa gtgggcaaaa aagtatttag 240
atcatgcttt cattgtgagg ttgcttgact tgtttgattc ggaggatccn ataagaacgg 300
gagtgttttn nnnacgattc tgcantcggg tatatgggaa gttcatgggt catatggcca 360
tttgtacnca agtccatgaa gnaatatatt ctanccggtt nggtgtntga gacaccagaa 420
agcanangcg gnatncnctn agcttntgga agattttcgg gg 462

<210> 9517

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-C5

<400> 9517

acgcgtccgc ttcgtgcacg agctctcatt gcaagacact atgcatcagc tgggcttaaa 60
gagaaggctg agaaagtgtc gaaagagatg gaagggtgaaa gcttggagga aaatcggcat 120
atgtgcaagg atttgctttc cgtctatggc tatctccaga gggaggatga agtgcgca 180
gtttggaaga tctgtgaaga aaacccccgt tataacgagg tccttgctgc aatcttggct 240
tttggaaga tcgataaagt caaagatgca gaggcggttt ttgagaagggt gttgaagatg 300
tcccatagag tttcttctaa tgtttactcc gttctcttga gggtttacgt ggatcacaag 360
atggtctcag agggtaagga tcttgттаг cagatgtcan gacagcgggt gcaatattgg 420
ggccttaaca t 431

<210> 9518
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-D10

<400> 9518

agatcggagc taaaaagcca tctctcgccg gaaaatttct cagttttctt attaccttag 60
ccacagacaa caagacgaca naggaatcta atcttagccc cctttcctct ctgtctctct 120
ctanatctct gtcnttaggc tttgagatat cttcaacacg aagctttttg cttctttttt 180
ttatctcttt aaaaaattcc aagccagatg gttcgaatcc aatagtagct tcaaagggtca 240
tggttttagt caggggtttg tngaggaaa cntagaagga agattttggt gacgaccaac 300
ttgtttggga ngtgggtatt tgntctanan ncnatagaan tcccataact cngtaagctc 360
gctgatttgg aaacgangag cttgctaатg ngccgtgaaa acgacgaaga tnatca 416

<210> 9519
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-D11

<400> 9519

acgcgtccga gcagctcagc tttcgtcttc tccgtcaatc caataaaaaa atcagcaacc 60
gttgtttgtt ttttaagcttt ttttacaaaa gacgtacacg tctctctctc tcaactccctc 120
tttaagatca gaagctcatt tcttcgatac gatcaaccat tagagatggg ttcggcgaac 180
aacgagtagc agtttctgag tgagattggg ctgacttctc acaacttggg atcttacgtt 240
gctgggcaaa tggcaagcca acggacntct tgtttcaanc tctcaatcct gctaacaatc 300
aagccaattg ctcaagttgt ggaagcctct ctagaggatt acgaagcagg gtttgaaaag 360
ccttgcnaag gaaagcagct aaaaattagg gatgcaaggt taangggctn cctaaagaag 420
naggtgataa tcngtcaaga ca 442

<210> 9520

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-106-Q1-E1-D12

<400> 9520

acgcgtccgt aaatgctcaa atgttgagac attgcatata gtgaaaactc cagaatgttc 60
aaactttggt ctgatttatg tagctgagag atgtaagctg ctgaggaagc ttcattattga 120
tggttgaggg actaatagga taggtgatga aggtttactt tctgtagcca aacactgttt 180
aaacttgcaa gaacttggtc tgattggtgt taatgcaaca catatgagtt tagcagccat 240
tgcttcaaac tgtgagaaac tcgaacggtt agcactttgc ggaagtggaa caataggcga 300
tacagagatt gcttgcatcg ctaggaaatg tggagcattg aggaaattct gtattaaagg 360
atgtcctgtt tcggatcgag ggattgaggc gctcgtctgtt ggttgtccta atctgggttaa 420
attgaaggtg aa 432

<210> 9521

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-D2

<400> 9521

cccaanaatt cccaaggtcg acccacgccg tccgagcggg ggattttattc aaccgatgag 60

tttcgtatgt tcnccgttca aagatccgcc catgtttctcg aagcatattc ccatgactgg 120

gactgaatgt ccatttgcac acccaggtga gaatgcaagg agaagagacc cgaggaagtt 180

tcactatacg tgtgttccat gcccggattt taagaaagga tctgttaagc aaggtgatat 240

gtgtgaatat gtcctatgggg tttttgaatg ctggctacac cctgctcagt acagaacacg 300

attgtgcaag gacggaatgg gttgcaaccg aagggtttgc ttctttgctc acgcaaata 360

ggagttgcgt cccttgtacc cttccacagg gatctggatt gccatctccn 410

<210> 9522

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-D3

<400> 9522

agcgctaaaa ttatctccga gcattctcaa gttgggtgat tccgtacgga ttactgattt 60

gggagagaaa aaccctagat tggaattaga ttctgggttc ttgggctaaa ggtttcttca 120

tctccttcga atcatccttt tagggagcaa gacgatgagt agaaaccctt tcttgatcc 180

tactcttcaa gaaattcttc aagtatttaa acccacacga gcagataggg atacgaggat 240

cacagtcatt gatcagttgc gtgacgtctt acaatccgta gaatgtttta gaggtgctac 300

tgttcaacca tttggatcct ttgtgtcaaa tctcttcaca cgatggggag acttagatat 360

ctctgttgac ttantcagcg gttcctccat cctgttcact ggaaaagaan cagaaacaaa 420

cct 423

<210> 9523

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-106-Q1-E1-D4

<400> 9523

ttttccatth cctcgacaaa ctcttttttt tctctcactt ttctcgaatt cttttttttt 60
 tttttctctc aacgaaacat aaatcctctg ttttggttta agagatggag atagaagcaa 120
 gcagacaaca aaccaccgta cgggtttcag tcggcgggtg gaattttccg gttggtgggt 180
 taagtccgtt gagtgaagct atatggagag agaaagctcc aacggagttt gtcggagacg 240
 tgtcagcgag gcttacgtgg caagatctga cggatgatgt gactatggga gatggtgaga 300
 ctcaaaatgt tcttgaaggt cttaccggtt acgctgaacc ggggatctct caccgctctc 360
 aatgggccct tccggtccc gggaaaatct aactatgcnc g 401

<210> 9524
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-106-Q1-E1-D8
 <400> 9524

acatcatcaa tggaggaagt agcgagagaa gaagtagaga tcgacaagga tctgcggagg 60
 aaaataaaga agacggtgaa gaagatcttg gaaagttcga acttgtacaa gataacagag 120
 attaaggcgc gagaagaagc ttcaactaaa ttggatcttg atctgtctca agatccttac 180
 aaggtaatcg tgaaagaaga agttgaaaat ttcctcgaag aagcagtaaa gtcgatcggc 240
 aataaacttg cgatgcttcc caagagaata gagtcgacga gtatttaaga tattattaat 300
 ctaaaagtat gtcgatccaa aattggatag ttttaatgta atttcctcaa agattgtctc 360
 tgtttggttt ttttaatagt tttctggttc atggaagcta atgtttttgt cc 412

<210> 9525
 <211> 380
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-E10
 <400> 9525

aggacagctt tttaggaac tgtttgaaga agaactatat atatggctca tacataaagt 60
 gactgaagag ggtaaaggc caaacatatt ggatgaagat ggacagggtg ttttacactt 120
 tgttgcagcg cttgggtatg actgggccat taaaccggtg ttagcaacan ggagttaaca 180

ttaactccgt tatgccaatg gctgggtctgc ccttcattgg gctgccgttt aatggcangg 240
aaagaaaactg tccccgtgcc tgtccctctcc aagtntctgat gccggggcat taacggatnc 300
atctccanaa cttccantgg ggtnaaacia cnactgattt ggcttacnch aatggacnch 360
ggggaanttc cggaattcct 380

<210> 9526
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-106-Q1-E1-B4

<400> 9526
acgcgtgggc ggacgcgtgg ggcagtacat tcaccggaaa atggatgccg gagctgaaat 60
tgatgtggtt cggccggtgg aggcagattc ggcggcgga attagtccgg aacaagacca 120
cgaaggaaga tcggagcctt cgtcgttgaa ccaaggggag attttaaaaa cacttgctac 180
ggtggagaag gattcgcagg caatcgcgga gagcttttcg tctctctttg tttccctccg 240
atcaactctt tctgaggcta ctgggtaact cgnttgatca catggcttgc tttgggagag 300
gcagcgggac ggcttcagga aaatgctcta gatgcaagcc accaaaggga accggtacat 360
caactcttgc ctcanattaa a 381

<210> 9527
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-E5

<400> 9527
acgcgtccgg cgacgtcaat gtcacgatg aagaaggttc tgaggctccg agactggctg 60
agagagcatt cgatttgccg ggcggcggtt accgtcgtgg ctccggtggt tctccgtcgg 120
ttcaagattt tggtcaccat gctggttact anaaactccc taactcaaaa gcagcaagga 180
tgttctactt tttcttcgag tcaaggacga acaaagccga tccagtgggtg atttggtctaa 240
ccggtggacc aggttcgagt agtgaactgg ctctgttcta cgagaacgga ccgttcaccg 300

tctctaacaa ctcattctctt tcntggaacg aatttggttg ggacaangca tcaaattctaa 360
tctacgtgga ccancnggt nccaactggt ttcaagttaa nacatcc 407

<210> 9528
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-E6

<400> 9528

aaaagtcgaa tatcccaaatt tcgatccgtt ttccggcgat aatctccgat ctagatccga 60
tggcgaaaaga accagttcgt gtgctcgta ctggagctgc angacaaatc ggatatgctc 120
ttgtacctat gattgcaagg ggtatcatgc ttggtgctga ccaacctgtt atcctccaca 180
tgttggatat tctccagct gctgaagctt tgaacggtgt taagatggaa ttgatccatg 240
cngctttccc ccttcttaaa ggtgttggtt ccacaaactg atgccgttga gggatgtact 300
ggantcaatg ttgctgntaa nggttnggtg gtttccccga tgaannnaag gtatgggaaa 360
acgaaggatg tnaangtcca agaattttc caantacaa agtctcaagg 410

<210> 9529
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-E7

<400> 9529

acgcgtccgc ccacgcgtcc gttcttcttc caccagagac aattccatca tcatcatcaa 60
atagacaaag gaagaattca atttcccctt tctttattgg cgccaagatc tttcacagaa 120
tcaatcacca acgaaaaatc gagaatggat gtttgcttga gctantcata taatatggat 180
gatgagattg ctaagttcat cagaagagt aatccaccaa gggttgtgat cgataacgaa 240
gtctgcaaag atgttactgt cattaagggt gatagtgcga ataaacatgg gatacttctg 300
gaggttggtc aagttttgac tgagcttaat ctgactatta agaaagctta tatctcctct 360
gaanggtggc tgggttttat gggatgtttt ccantgttan tgatcaanat tgggaacaag 420

agttttancgg angaaaattg gttccttgaa

450

<210> 9530
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-F10

<400> 9530

ngaactgtta cgccggcatt taccgggcca agaattcccg gaatcgaccc acgcgtccga 60
gcagcttctc ctcttctcag aaattagggg tccgtctcaa attacgagca gatctcgtac 120
tctctgatgt ctgaagatcc ggagtaccgt tgcttcattg gtgggcttgc ttggacaacg 180
tctgatcgtg gtctcagaga tgcctttgag aagtatgggc acctcggtga ggccaagggtg 240
gttcttgaca agttttctgg tcgctcccgt ggttttggat tcatcacttt cgatnagaaa 300
aaagctatgg atgaagctat tgcagcantg aatggaatgg atttggatgg gcgaactatc 360
actgttgata aagctcance tcatcagggg ggtgcaggca gagataatga tggtgaccgt 420
ggtcgagacc gtggatatga tcgtgatcgc agtctccctc tgggtgggag aggtgggtgga 480
gattgcnt 488

<210> 9531
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-F7

<400> 9531

aaatctccag agccgttttc tcttcttctt cttcctcctc gcgccgtctc tgaaactcca 60
tcatcgtatc aatcaaattg cttcctcctc caaattgaaa aacaatggaa ttggattcgg 120
agaacaaatt gttgaacacg ggtttgggta tagtgggcag acttggtata gccaaactca 180
tcttctcttt cttcacttct gattctaaga agaagcgtct tcctcctact cttaaagctt 240
ggcctcnatt ggttggaggt cttatcaa atcttgaaagg acctattant atgcttacga 300
gaggaatacc ctaagcttgg aagtgtgttt actgttaatc ttgttcacaa gnnagantac 360

ttttcttatt ggtcntgaag t

381

<210> 9532
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-G5

<400> 9532

acgcgtccgc gacaagataa caaaacgctt tcacacgatac ggataaaatg gcggagaaga 60
gctttaagta catcatcctc ggcggcggcg tctctgccgg atacgcagct aaggagtttg 120
ccaatcaagg ggttcaacca ngagaattgg ctgttatctc gaaagaggcg gtggctccat 180
atgaacgccc tgcacttanc aaggggtatt tgtttcctga aggggctgct agacttccag 240
gtttccattg ctgtgttggg antggtggac naaaaactgc ttcctgaatc ctacangcag 300
anaggaattg agttgatacn aagcacagan ntagtgaana gcttgatctc tctgccancg 360
agtcttgtca gtgcaacctg gggatgtctt canggtatca ananngctca taaantccaa 420
cctgg 425

<210> 9533
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-G8

<400> 9533

agcgccgatt ctcttcaaa aacttttctt aagtcgtcac tttttacgat ggcagaaacg 60
aagaagatga tcatccttaa gagctccgac ggtgaatcct tcgagatcga ggaagccgctc 120
gctgttaagt ccagacgat taagcacatg attgaggacg actgtgccga taacggaatt 180
ccacttccca atgtcaccgg agccatcctc gccaaaggta ttgagtattg caatgaagca 240
cgttgaagcc gctgctgaag ctggtggaga caaggatttc tatggttccg ctgagaacga 300
cgagcttaag aattgggaca gcgaattcgt caaagtcgat cagcctactc tcttcgatct 360
catcttggct gcgaactatt tgaanatcgg gtggacttct tgacntacg tgca 414

<210> 9534
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-105-Q1-E1-H3

<400> 9534

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agaacataat acaaagagat atttaacgtt ttgaaatgga ggctgttaga ttcgccgtcg 60
ccgtcgttct tgtattttgc tacgttacgt cgtcnaatgc tcagatgact tcaccaccga 120
ncggcgggtgc aggaggagac gcacactcac tgccgtgtat tcagaaactg atgccgtgtc 180
acccttatct tcaattggcg actccgccgc cggcgacgtg ttgcatgccg ttgaatgana 240
tcgtangcca aagacgccac gtgtcnctgc gctgtcttta acaacgttga tatgctcana 300
tcgcttaacc tactaaaga aaacgcctc gatctcccca aaggcttgtg ggcgccaaaa 360
nngacnntgt cacanncaa aaccangcgc cgggtactaa ntccgncttn aanaanngcc 420
ggggaagccc ggaagactcc 440
```

<210> 9535
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-A1

<400> 9535

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taggataatg gccgccgcca tggttagttc cgccggtggg ttactggcaa tgc tcaacga 60
acccatect tccttgaaac ttcacgtct ctcatactc atcagattgg ttgaccaatt 120
ttggcccgag atctccacta gtgtcccaat catagagagc ttatacgaag atgaagagtt 180
tgatcagcat caaagacagc ttgtgcctt gttggcctcc aaggttttct attacttggg 240
tgagcttaac gattccttgt cctatgccct tggagctgga tccttgtttg atgtgtcaga 300
ggattctgat tatattcata ctcttctatc caaagcaata gatgagtatg ctattctcag 360
atcaaangca gtcgagtcaa gttgaggtgg tggaaaattg acccgagaat tgggtgggcaa 420
ttgttngaaa cc 432
```

<210> 9536
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-A10

<400> 9536

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cnaactttta cgccgccagg taccggtcaa agaattcccg ggtcgacca cgcgtccgcc 60
cacgcgtccg ctgctgcgaa ggagatccta cggcgaccag tggcggcaac aataaggcta 120
accgttccgg cgggaggagc gaggccagcc ccaccggtag gtccggcgct aggtcagtac 180
aggcttaacc tgatggcttt ctgcaaagac ttcaacgcta ggactcaaaa gtacaaacca 240
gacactccga tggcctgac gataacngcg ttcaaggaca actctttcga attcaccgtc 300
aantctccga cgggtgctgt gtacatcaag aaagcaactg gagtcgataa aggaagcaca 360
cgcccggtc attgtcgggt acnacgtat ccggtgaaac acgtgtacga gattgcgaag 420
gtgaagcann cggatccgtt ttgtcaatat atgccgttgg gaatccgatt tgcaaaatnc 480
atcattgg 488
```

<210> 9537
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-A7

<400> 9537

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agctggaccg gtagaaggag tcttcgtcgg agctgtatth aacaaggaag agagtaaaca 60
catcgtaccg atcggtagcg ttcgcaattc ccggtttatg tcttgtttcc ggtttaagct 120
ctggtggatg gcccagagaa tgggagaaat gggccgagat attccctacg agacgcagtt 180
cttattggtc gagagcaacg atgggtccca ccttgagtct gacggagcta acggcgtcga 240
gtgtaaccaa gaaagtttac accgttttct tgccgttaat cgaaggatct ttccgttcgt 300
gtctccaagg aaacgttaac gatgangttg agctctgttt ggagagtggg gacgtggaca 360
ctaaacggtc gtcgtttact cactcnccgg tataatcaa 399
```

<210> 9538
 <211> 367
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-A8

<400> 9538

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gggttgatgt actgtggtca caagaagaac catcgaagga acattttggg attcttagct 60
cttgaagtta ttttggtggt ggctatcatt cttattacgc tctttgcgct taanggtgat 120
tttgттааgс ааасатттgt tgggtgtgatt tgcgatgtct tcaacattgc tatgtatgga 180
ngctccttca ttggncatta ttaaagtggт ааааасанng agtgттgaat acatgccatt 240
cttgттgtcn ttggтсctgt ttсgtтаатg ctggaaattt ggacnacnta ctcgggtcat 300
cttcaagatc gattactacg тсctcgcaag таатгngatt ggnacctttt tngcaacttt 360
cccagtt 367
  
```

<210> 9539
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-B10

<400> 9539

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acgcgtccgc actaaaatta gtcgttaaac ааааagcttg cgaagaagaa gacgaagaan 60
atggcgгatt tgattttgag ttctctctct gcacaatcct ctctccttca cgtcagacct 120
aatcactatc tactcaatac ctccactgct tcaccgatcc gaagtgtcag attccaaaat 180
tccaacggтт ttcatcctct gggcgттсgс atctggтсac cgacgacttc ctctcgгtgc 240
agtagттссс tctgactcca cтааgacgat caccagtagc gattactggc таactgcгтт 300
gattcgcgga gtcaaagctg ttgaagтсga gcctacgatn gattacnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngnaa tgacgacngg 420
acgggaaaga cgattaagga gng 443
  
```

<210> 9540
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-B11

<400> 9540

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acgcgtccga gcagctcagc ttcgtcttc tccgtcaatc caataaaaa atcagcaacc 60
gttgtttgtt tttaagcttt ttttcaaaa gacgtacacg tctctctctc tcaactccctc 120
tttaagatca gaagctcatt tcttcgatac gatcaaccat taagagatgg gttcggcgaa 180
caacgagtac gagtttctga gtgagattgg gctgacttct cacaacttgg gatcttacgt 240
tgctggcaaa tggcaagcca acggacctct tgtttcaact ctcaatcntg cnaacaagca 300
gccaatgtct caagttgtgg gaagcttctc tagaggatta cgangcaang ttttgaaagc 360
ttgccangga aancaagctn nnnatatgga tgcaggttac gggctcctan gaganggtga 420
tatcgtcaga cagattgggg atgcactaag 450
```

<210> 9541
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-106-Q1-E1-B12

<400> 9541

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gtcgattagt ttctcaaga gtgaatccaa cccagatttt tcagatttta atcggaatta 180
ttcgggatct aatgctcgcg tcgagtttat cgctagaaaa ccctaatttc ggaggatctg 240
tcacttttat tatcagaagc ttgttggtgt aattacggat tangtatgtc ctgatcgta 300
ttgttctttg ttgacaggtt gcgatttggt gaaaaccttg atttagacta tgaagtctct 360
naatgatctt cctgcgcccc antcaaccac taccacgtat tatgatcatt 410
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<210> 9542
 <211> 404

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-105-Q1-E1-D7

<400> 9542

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ataatgtgat gtgttctaaa agcatgtgcc ttgatttcag atttaacatc agggagcaaa 120
gttcaactccc tctgccacaa atttgtatct ttcttccact tatgttantg atggggctag 180
attttggaag cgagtgcag tgaattccat aaagctcggg tttgaatcan atggtttgat 240
acaaagtggg ctgattgata tgtacaggaa gtatagggtg gtgataaatg caagagaagg 300
tgttcagagc tatggagggt cagacagttt taactgttgg gaggctaatt gtttcgaagt 360
attatgcaga atgggttttcg cattgaggac atcaaantg agaa 404

<210> 9543
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-A4

<400> 9543

tgcccgaccc gngtcgggaa attaacgggt cgaccacgc gtccgcataa aancagaatt 60
aaatttgtgg tagatacttg tttttaaaatt catatagctc aaaaaagttg tcatttttaa 120
tgttggtttt ctggtggcga tgctcttaac taccgaattc cgtacgattt atgatcataa 180
gtcaactttt gagatttggg tttgtgaaat tttcctgaat aaaattatgg gtttaggggt 240
tttatgatca atttctgta aagtagcgat tttttctcc cggggatttt ggtgaggaac 300
aggatagaaa gtcttggttt tgttctgttt attgtgtttg tttttgggtt ctgatcaatg 360
aagaagatna ttgggagtc nggaacaatg antgggttga tactgagact agggcaatgt 420
gcaactgctg cnggttcca ctgggtgtta tggggttccc tcttacgact tttccaatta 480
naacngcttt ccgggttctt aancccc 507

<210> 9544
<211> 528

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-A7

 <400> 9544

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 cgcgctccgaa aaaacatgaa aatcctctca ctttcacttc tcttgctctt ggccgctacg 120
 gtctcggcat ccgttccagg gctcatcgaa ctcgtcgatt cgaaaaccat ctttgggaac 180
 gtagccgaac tcttagagaa agagaaactt tccatcaact acgccaactg cagaaagctg 240
 gcaccttggt gttgagacct ctaacatcat agacttcnac acggtgcccg caaattgcaa 300
 agactatggt gaagactact tgatcacttc caaacagtac caatacgact ccaaaancnt 360
 gtgcanagag gcntanttct atgccaaagg acntgcccta aaagaacgac accgtcaatg 420
 tttggatcnt tgacctanat gataccctcc tctctngtat ccnacgang canaatntgg 480
 ggtacnggaa cagagaagag cggacccggg gggcgtactg ggttgngg 528

<210> 9545
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-B3

 <400> 9545

 ggttcgcttg gcccgtagcg gtccggaaat tcacgggtcg acccaacggt ccgcccacgc 60
 gtccggattt ccgatcattg ctatgtcgtc cggatttctt cgtcaaggcc gtccggtttg 120
 tcaaccggct tcagcccgac atccatatgc ctcttgatgt gtggtttgtc gggtactttc 180
 ccggaatctt ctggctcctt tagcagaatt gtccgggtgc gccgtcctcc atcggttggt 240
 tcctctacca acggtgggtg gctcttgtct agcttctccg tcgtccctct ccggcggttt 300
 aggctanctt ttggccggat ttcttttccg gttttgtttt angttctcgt tttcnataga 360
 tccagtttga ttttgctcct ttgtgttcna actctaaaag ggctcaattc cttgaacctc 420
 cttngtttaa agggcctcaa ttngtttttc aagctaanca atttcantna tntacgaaca 480
 anntnacant ttgtggattg ggggtttnc 510

<210> 9546
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-B4

<400> 9546

cnttggcccg gccgggtccg gaaatcacgg gtcgaccac gcgtccgatc natcggagat 60
 tcggagtaga gaaaaatgtc aggattcgtc gggattttgg tatcggatcc atggttacag 120
 aaccaattca cgcaagtgga gcttcggagt ttgaaatctc acttcacgag catgaagaga 180
 gagagcggga agctaacagt atcagacctc gcgtcaagga tggggaaatc aaaagtagtt 240
 ggagatcaga atctaagcaa cgaagaacga ggcactttga tccaaaattt tcatccgaat 300
 ttgaatgatg aagtcgattt cgagttttac ttaaggattt atctgaatct tcaagcgcat 360
 gtaaacgcaa taatcggaag cgggtgtaaa aactcatctg cgtttcttaa agcagctaca 420
 acaactttgt tgcatactat tagtgattct gagaaatctt cttatgttgc tcatatcaat 480
 aattatctcn ctggagatga gtttct 506

<210> 9547
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-B5

<400> 9547

tttagtgatc gcagacagga ctctctggc acatttgaat tgccacttga ttttgttata 60
 gacaagtgtc tactgcagga aatacatctt caatataact ttgtcaagta agctagctat 120
 caagttgtc gaagaaggat ttggcttgca agaacatctg ctagctctac gtagatatca 180
 tttcatggaa ctagcagact gggcagatgt attttagtg tcaacttggc atncataaat 240
 ggcttggtac anaggcagat anaanantnc cagaantnna agggttccaa aatnaacaaa 300
 ttcagagatc atcatgtgaa cgagacattt gtanggacag gataattttt gtacaaangg 360
 acaaggcaca ttcatatccc acaaccaaac catngggagn tgcnttcctt tngatttccc 420

aaaggttggg tanc

434

<210> 9548
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-B7

<400> 9548

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agaagtctaa ggatgactca tcatcatctg atgatgattc ttcagacgag gaagttgctg 120
tcaccaagaa gcccgagct gctgctaaaa atggctctgt aaaggccaag aaagagagtt 180
cgtctgaaga tgattcatct tctgaagacg aacctgcgaa gaaacctgct gctaagattg 240
ccangccagc tgctaaggat tcttcatcct ctgatgatga ctcanatgag gattccgagg 300
atganaaacc tgctaccaan aangcagctc ctgctgctgc caangctgca agcagctcag 360
attcatcaag atgaagattc tgatgaaggn aagtgaagat gagaaantg ccaag 415

<210> 9549
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-C1

<400> 9549

ggccctnccc gggtcgggaa atcaacgggg tcgaccacg cgttccgagc aactcaaagt 60
ttacctcaan cccctgtgga aaactatact gcataaaaaan cttactgggg ttttncnggg 120
ataaagattc caantttcga aaaaatgcag cttttagcaa taaagataat tcataggaag 180
ttttgaggct agatttggtc tttcaatcct gaagtttctt tctttttgtt tgtctgaaat 240
gaagcaagtg acagctttgg ttgctgtgaa gaatgaattg aatgatccgt acaaagttct 300
tganaattgg gatgtgaatt cagttgatcc ttgtanctgg gagaatgggt cttgcactga 360
tngctaattg cnccttactg gatcttcta nccaaagctt gtctggtaca ttgtccccta 420
agaatcggn aacctaccta attacaatca gtgggggtgc caaaacaatg cnaatcacgg 480

gtccaattcc gggaaaccaa ttgggaaggt nggg

514

<210> 9550
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-C2

<400> 9550

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ctgacgccgg cggaggcgca aatcgtcggc gtcgggactt agctcttccg atcaatttgc 120
tttggttact tcttatgctt ttgtttacaa cttctgtccg ctactcgaaa actctgtttc 180
aaccctctcg aatcatttct ctttcaccgg ttttcaacgg cggccaaaaa accagctacg 240
gaggaagacg atgtggtccg gcgtttgcc tctgtttcca ncctcttctc gcaaattctt 300
cgccaaaatc tttcttttcc agcgatgcaa tccctcaatc agaagctttt atcatctctc 360
cgctttttat ttacaagatc tagatctgtt tcaaccaccc caagagaata ctcacaccgg 420
aatcgntga tggcaagaag atgtctcctt gggacgtcag atgcgccat 469

<210> 9551
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-C6

<400> 9551

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cagcgtctac ctctgagtat ggggcagggt caagttctag ctgtancnaa natttgacta 120
gagatanatg gttnaaggga agcaagcaga gtagagttat tgctgctaca gggatggttt 180
cttctgtgat tgcgaaggat tacttgaagc caaacctgt gcnaaaagag tttcctatga 240
nggnacggtc taaagagctc tgtgggaacg ggaaaanagc tgccgataga gagaaagctg 300
aacagttctt aagttcaatg cttggaagat gattgcgagc ttagcatggc tgttggtaga 360
gatgttttgt gtcaatgtgg ctatgatgtc gacatggctt tgaatgtctt gcttgacatg 420

tctttcttcan caactgatga ttcattgagt tggtaaagtgt ttcggca

467

<210> 9552
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-D5

<400> 9552

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ggcgggtatca gttgatgaaa ccaaaaacac ggtggtgcta cgggaggagc acaagaatga 120
agaangccgg aaatctgttg ataagttcga agtgaagaca cgtaatccgg agacgatcaa 180
gagcggttgag cggaagctta tggagaaaagg tgttcaacgg atggatcgtc atccttccga 240
tgggattcct ctcaggcgac caccatcgaa gtcaggtcac ggcgggaagt acacgtggga 300
aggacctgat cggatggagg attacgagat gcagccggat ccancggcga tggatgaagg 360
agattctaatacgaanaag aacaagttaa naanagtggg gatgaccntg gccgnttaan 420
cntgtgaaaa ggagaagtn aaggtggcta aaggangctc cggctggtgt ttccaagg 478

<210> 9553
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-103-Q1-E1-D8

<400> 9553

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caaacctctt tctcatctca tcttcaagcc atctccgac atcatcagac aatggcagca 120
gctatggcaa cagcaaccaa gtgcatgtct ctaaaccat ctctcctaa actccaaaac 180
caaaccaaatac aaaccatt catctcccta ccaanccac caaaacaaa cgtctctctc 240
gccgtcacia gcaccgcct agccggagcc gtcttctctt cctcagcta ctctgagcca 300
gctttagcca tccancagat cgctcagctc cgctgcagca aacgccagtn gcgacaaccg 360
tggcttagct cttctccttc ccatngtccc aagccattgc atggggctct ttacaanac 420

ctccagccag ctattaagca ggtcaaacac gatgcgtgag aagtaaaggn atcgttggtg 480
 ggtcgangta ttggtg 496

<210> 9554
 <211> 512
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-E6

<400> 9554

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 aaagagataa aaacttcatt tgccagcaag attggcacia aactcgagca gaggacatct 120
 gtaggagttg tgtcgtggtc gtctttggtt aagagaagaa gaaatgggtt caatgttcag 180
 tggaaaccga atgagcaagg aagagatgga ggtgggtggtg aacaaggcta aagagatcgt 240
 ctctgcttat cccgttggtg tcttcagcaa gacatactgt ggttattgcc agagggtgaa 300
 gcagttactg acgcagctag gagcaacttt taaagtactt gagctcgatg aaatgagtga 360
 tggaggtgag atccaatcag ctttatcaag agtggactgg acagaccaca gttccaaacg 420
 tcttcatcaa aggaaaccac atcgggtgat gcgatagagt gatggagacc aacaagcaag 480
 gcaagccttg tgccctctacn tactgaagcc tg 512

<210> 9555
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-E7

<400> 9555

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 aagtgatggt tatgttctag ctcttagcaa agagcttgaa acattgaagc tggagaatct 120
 atctttgaga aacgatatag aaatgcttaa gtcagaactt gacagtgtta aagataccgg 180
 tgaacgtgtg gttgtgttgg aaaaggagtg ctccggtttg gaatcttctg taaaggattt 240
 gggatcnaag ttatcggttt ctcaagaaga tgtctcgcag ntttctactc ttaaaatcga 300

atgcactgat ctaaggggcg aaaggtagag actctacagc tgttggttag atagagctag 360
 caaacaagca gggcaagcag ttatagngtt acaacaagaa ccaaggttta agaaataan 419

<210> 9556
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-103-Q1-E1-A2
 <400> 9556

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 gtgatcggat tgatttgata attatggtga aggagacgga gttttacgat gtcctcggcg 180
 ttagccccac cgctacggag gctgagatta agaaagctta ttacatcaag gcacgccaag 240
 tgcattccaga taaaaaccct aatgatcctc aggctgctca taatttccag gtattgggag 300
 aggcctacca agtgctaagt gatccagggc aacgtcaggc ctatgacaca tctgggaagt 360
 cagggatctc aactgagatc attgatcctg cggctatatt tgctatgctt tttgggagtg 420
 aactctttga agaatacata gggcaacttg ctatggcatc aatggcttca cttgatatcc 480
 ttcactgaag gggatn 496

<210> 9557
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-F1
 <400> 9557

ctccanaatt ccaaggctga cccacnctc cgagttagag agaacgtagn gaggatctcc 60
 gngtaagcgt tgtaagctgt ttctctcatg aagatgtaac gttcctggag gaacacggga 120
 agagcatcgg cgcaagtgtga gaacattgtt gacattgcga atgcgaagaa ccctaaccgc 180
 tcttgaactc cttttggtga attatccaat cgccangaat acggtggcta agatgaatcc 240
 ggtgacgatt acggtggcta atcgattcc gagtagctcc ggttgctcgc gggagttgag 300

gattgagcgt ctggtgagag ttttgatttc gattcagaac ggattcgcca atgcagggac 360
 gggtaacgtt ccgccaccgt gggttatgac ngngngaacc accggccccc accggnnact 420
 aagttttcct ccggccntaa ggctggcgga aaatcgcntc cttcaa 466

<210> 9558
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-F12
 <400> 9558

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 taaggacana gatggagtcc gggtgttcca tggatganag ctccggttga cgtcagcaat 180
 gtcgaaaact gcgctctcga tacnctccct tgccttaatc ccaagttgaa gaangcattg 240
 gtgaanatgg gcatancttc actatttcca ntgnaagttg cacgtttggc acngaaacta 300
 tagagccagg tggttttgag agagacatct gtgttaactc tccaacaggg aagtgganag 360
 acnctttent acgenttacc aattgtgcan ctcccttgna tctcatcctt gngcgatgcc 420
 ttcgtgantt aaggcgnatt ggccaacaac gtgatgtngg 460

<210> 9559
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-F7
 <400> 9559

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 atttaggggt aggacttccc ctaatttga aacctagtcc tgtttctga tctgttttcc 120
 ggatcggacg agagacgaat taacgaaaat gggcgccaat tctattccga cggacgcaac 180
 cattgatctt gatgagcana tctcgagct catgcagtgc aagcctctct cggagcaaca 240
 ggtagagca ttatgcnaga aagccaagga gatcttaatg gatgaagagc antgttcagc 300

ctgtganaag ccctggtgac aatctgcggt gntattcatn ggnnagttcc atgatcttgc 360
 agnagctttt ccgtatnngg ggaaatgtgc ctggatncca att 403

<210> 9560
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-G2
 <400> 9560

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 cttttccatc ttccgccggt gtgaaatgca tcccgatga aagattaaca gagatctcca 120
 tggatttcac caaattagga ttcccatann aagatgaaga aattaaaaaa ttggagagat 180
 cgtggagtaa gtcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 ngttttcggt tgcttgtgta aacggagaag gatctccaat taccgctgan gaagcttttg 300
 aangatgggc agatccgtcc tgtgtttccn ctgnttaacc gtgatcttct cntcgaagta 360
 cgaaaaccna gagattncaa ngacgacaac gtttcgggtca ccgngcgaga 410

<210> 9561
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-G4
 <400> 9561

gtangaaact gagtctctgc ttaaaaatgt ggagcaagat caaccattat caatgcaaag 60
 tgcctaatt ccatccagga atgctttggt atcagttgac cttttaagcc atcctgattc 120
 tgatgttagg gtttcagttg tctcttgctt aaccgagatt gtgaggatta ctgccccaga 180
 aaccccttac agtgatgac taatgaagga gatcttcagg ttgacaatag aagctttcga 240
 gaaattagct gatgcctcct ctcggnggtt ataagaaagc cgagtttggt cttgataatg 300
 ttgcaaaggc caaatcgtgt ttggtgatgt tggacttgga atgctatgac ctcatcctac 360
 aatgtntcg gaacttcttc aaaattcatn aagatct 397

<210> 9562
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-G5

<400> 9562

acgcgtccgg aagcatcttg gagcaactct tgtgcttcct gacattagag gaagcaaacc 60
 tgggtgatgaa atgaaatttg aagatatcta tgatgtggat aaactcatta aaaccttgga 120
 aagtgtcgtc aaagttgtaa gaaaattgcc gagccacgta tctctaagag atattgccat 180
 tgtcaaagtt cctacccgag ttgcagaaga ttacatcaag gaacatattg atcccatctt 240
 caaatcaaaa gggaacataa gggttacaac ctatttcctt tctgtgaatt tgaggaaatc 300
 ttcgcaaggt gctgaaaccg accctgtcnc ttgtttggca atgtttgggt ccttgggcat 360
 tgcaacctgc agtgaatgaa ttggtgaggt cgatgattca gccgtttgaa ggacacat 418

<210> 9563
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-H11

<400> 9563

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 aaaattcagg gaagctcatt tccctttctc aattcctaga cttggcaaaa acttacactt 120
 ctctctccgg tgttttgatc agtgtagaga atgcagcata cttgagagag aagcaagggc 180
 ttgacgtggt tcaagcggtt ctcgatacac tcaccgaagc tggttacagc aatggaacaa 240
 ccacaacaaa ggtcatgatt cagtctacga acagctcggg tctagttgac ttcaagaagc 300
 agagcaagta cgagactgtg tacaaaattg aagaaaccat tggtaatatt cgtgactcgg 360
 gcatncgaag acataangaa gtctcgtaac gctgttgtc 399

<210> 9564
 <211> 442

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-H12
 <400> 9564

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ccatccgacc cttccatatg tgctgtcatc ttctgatgat atgctcataa agctttggga 180
ctgggaaaac ggttgggctt gtactcagat atttgaggga cattcgcact atgtgatgca 240
agtggatattt aatccaaaag ataccaacac ttttgccagt gcttcgcttg atcgtagcat 300
aaagatatgg aatcttggtt cccagaccc aaattttaca ctggatgctc atcagaaagg 360
agtcaactgt gtagattatt tcacaggggg tgataaaccc tatctaatta cgggctctga 420
tgatcatact gctaangtat gg 442
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<210> 9565
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-H3
 <400> 9565

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gaagccgacg gtgaaccgct ttttgagact aggagaagaa ccggtagagt gattgcgtac 180
cggtttttct cagcctcggg tttcgtgtgt atctgtttga tttggttcta cagaattggg 240
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gagatttggg tcggtttata ttgggtagtc acacaatctt cccgggtggaa tccggtttgg 360
cgatttccct tctccgatag actctctcgg agatacggaa gcgaccttcc gangctcgac 420
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<210> 9566
 <211> 454

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-H4

 <400> 9566

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 ttctttttgc ggcagccgga gatacgatgt tttcccgagc ttcagtaagg tagatgtccg 180
 caggtcattc ctgcgcgcatc ttctcaagga gctcgaccgc agattaatca atacgttcac 240
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 atcgaggatc tcaatagtca tcttctctaa aaactatgct tcttccacgt ggtgcttaga 360
 tgaattgggt gaagatccac acgtgttata aggaattggc tcaaatagtg ggttccgggt 420
 ttctttaacg tacatccttc gcangttaa aaac 454

<210> 9567
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-H5

 <400> 9567

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 gactcctgag aagctggggg gggggaacgg gctgggcagt ggaagacgct aaagacaaga 180
 tctggaaact tctagaagaa tacgaagtan gaggagtaat atcagaggct tgtcgatgca 240
 tacgcatct aggaatgccg ttttttaacc acgaggtggt taagaaggct ttggtaatgg 300
 caatggataa gaagaacgat cggatgctta atctcttgca ggagtgtttt gctgaangga 360
 tcattactac taaccaaag acaaaagggt ttggtcgagt caaagatagt cttgatgact 420
 tatctttggn atattccana tgcagaagag aaatttaact cgtaatgn 468

<210> 9568
 <211> 458

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-H6

<400> 9568

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ctgggtgcaat gggatgtgct cccgcggagc tgggtcagca tanccgcaat ggcgantgct 180
atggcgccct ccaaacagca gccgctttgt tcaatccgca attagttgat ttgatcgcat 240
cagtcaatgc tgaaattggt caagacgtgt ttgtagcagc caatgcctat caaatgaaca 300
tggattatct atctaactct gaacaatttg ggtttgtgac atcnaagggtg gcatgttggtg 360
gncaaggacc gtacaatggc atnngactat gcanaccant cgcgaaanttg tgtcngaata 420
natacctana tgccgttttg gggatgcgtt ttatccga 458

<210> 9569
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-H8

<400> 9569

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ggtactacct aagaactgat ccanccttga aaagaaaaat gttgcctaag aatgctattg 180
agaagatcca agcaaattgt agcaagcctt gcttctggaa gtctctctct ccangacaaa 240
cttggnaatc taaatccatg aggataattc cggaagactt tgtgagaaga acgcgtgggtg 300
cttttgngca cagagtgggtg tttagtgttc gttgggaaaa ctctgggcaa ctctggctgg 360
agcgagagaa gaacgagctg tttatgataa gaagaagatt gggnatgagt ttgtggacga 420
caatcattta ngtccaaatg aatatctgtn cacaaa 456

<210> 9570
<211> 422

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-H9

<400> 9570

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agaaggccac attctccagt agcaccatta agatatcaaa gagaggaata ccgtaatcat 180
catcttcacg gaagagccag accagtcctt gaaattgggg acaaccggga aagttctgat 240
acacgaactg agagtggaca tcgccctcgt gcttctgtag gcaatgcttt gtttaggaga 300
actgttggtg agaaggataa agggaaatcc atctccactg atccatgtgc gcctcgtgta 360
gagaaaaatc cggtttttaa tctgaatcag cgtaacggac atgttcatgt tgctgcatcg 420
ag 422

<210> 9571
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-E8

<400> 9571

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agtttggtgc ttttttgtgt ttgtgtagat agagagagag atttaaggaa ggaatcatgg 180
caggggggtg agctccagca nccaaagcag accaaccana accacatcct cctaaanatc 240
aacttcccaa catttcttan tgcancanca gtctctctcc ttggcctgaa gctattcttc 300
ttggnntcca acattacctt gtgatgcttg ggacaacngt gctcatacta ctgntcttgg 360
tccccaggat gggacgtggn tatnaanaga aggcaaangg gatcaagacc g 411

<210> 9572
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-101-Q1-E1-H4

 <400> 9572

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 gcgactgagt tctcgaaaga acaagcactc accgacgctg cagaaaatct ccttaaacct 180
 cattttctcaa ctgatgcgac tctcagtctt ctcgaggtaa tggagtctct gctcgccact 240
 gtcgagcaag atcttttcttc atcagtacaa aaggccctac atccaccaat gagggttttg 300
 gtatccgctg atcttttgag aaaccctgat tctgatgtta gggtttctgt tgtctcttgc 360
 ttgaccgaaa ttatgaggat tactgctcct gangggccct tacaacgatg aggcaaatga 420
 aggacatcnt ccaagtgaca ata 443

<210> 9573
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-B10

 <400> 9573

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 tcaaatectc acaatectct gttccacag ttcccgatca cctectcgt cagctccaca 180
 ctatccgcgc cgctattaac cacctcanaa cncaccaacn aagacaagtc aanttcaanc 240
 tegacctcac gcgcgcgct ctcctctctc tcctctctc anngcgcta aangagcttt 300
 taatctactc taangctctc anctatagct tcaagcttgt cataactacc ctggaccttc 360
 ttcanggagt anntgaacta cacnccttct tctctttgtc cttctgagnc cga 413

<210> 9574
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB24-102-Q1-E1-B11

<400> 9574

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gnaaaagggt tgagaaggat gttggtagatt gttcttctga agggagggct acggatgggc 180
tcacagcaga agaaggtagaa ctaatcagga actttatgaa gaatagtgca agtcaattaa 240
ccttttgtgg nctcnttcgc ttgcaaaaag gcctcaaaga acntgaactc tgtgtttttt 300
tccggaaaca atcatttcng caccangttc aantatgaag gtgancttta tcttttggct 360
acanatcaaa ngttacctga atcagcctgg atttggtttg ggaaanacta 410

<210> 9575

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 9575

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gatectctgt atcattgctt tatctgtact ttcatagca atcgaccctt ttcacatgac 180
tccaatcggg ggtcgtgagt tcaaaccctg gaagcatgag gttgctccat ataaggaagt 240
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ttcgtggacc aagtctttgg tccaagagtc attanagttt gataagttta ggtcgtgggn 360
ccatacanaa gggttgctga gggaanagtg gttagatggg ntgggtgnan gcnaatcngg 420
gtggggaaga naattttccg 440

<210> 9576

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-102-Q1-E1-B8

<400> 9576

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acgctttcttc ccccgctctac acgaactccg aagaccgtct ccgctacatc ctctctccccg 180

cccagatca aactactgat ctcgatatctt acatcgacag ccagaaacca caagtaagag 240

ccgtcgtgtc caaggtcgct ggagatgttt caacacgttc agacncacgg ctagctggga 300

ttgtcgtaga catgtttctgc acgtccatga taganatcgc cgatgagttt aactcncggg 360

ntatatcgtc tacacgtgca angtttctta ncctcgggct acagttncac gttcaagtct 420

cctt 424

<210> 9577

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-102-Q1-E1-C11

<400> 9577

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tttggatgtt atacagaaac atctatttga agacttgatg atccctgatg gtttcattga 120

agattttgtc tttgatgata ctgcttttgt ctccggactc tggctcttag aaccctttaa 180

cccagttccg aaactggaac ctagttcacc tgttcttgat ccagattcct atgtccaaca 240

gattctgcaa atggannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntgaggt 300

tgagactgtc tcaaaccgga aaaaancaaa gaggtttgaa agaaacgaga cattacagag 360

gcgtgangaa ggaggccatg ggggaaattt gcagcagaga ttcgagatcc ggcaa 415

<210> 9578

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-102-Q1-E1-C2

<400> 9578

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atgatgtatc atgggatatt ctcaagcctg agatatttgc agcagtcag gntttctatt 180
cttctggnea gcctttgttt ctcgactcac aagctgctgc ngccaaggat actgccatca 240
gcgaggatga ctctgaaaca gtagcaatga tcanngaact cttagaanna cgcacagac 300
catcagttca ngatgatggg tgnnggacat tgagtattgt gggtttgatc cggaaagcgg 360
gtatactgaa gcngacgatg caaggagctt tgtantgg 398

<210> 9579
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-D2
<400> 9579

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tatttgcgtt ttccactgca aaagaagagg ctacgaagtt aggatcagtt attgggatag 180
atcttggtac cacttactct tgtgttggtg ttacaagaa tggatcatgtt gaaattattg 240
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tcattggtga ngctgctaan gaatcaggcg gctgttaatc ctgaagagga ctgtccttcc 360
gaacgttaaa ganattgatc gggcggaana attttgacgg accaaggacg gntcaaaaaa 420
gggcagggaa acctngtac 439

<210> 9580
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-D3
<400> 9580

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ttgatgaaat gcgagtgtc ancgagattg cggagtcacc gttcgtgatt tctcggctaa 240
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ttcttcataa cacgggtttg gttttagcat ctattcnatt cgtcgttac ttagcgtacg 360
aggcgaagaa gagcttgtcc aagttgtcta atcggaagat cttacnttnt gantgcctaa 420
gtanggtntt ctttgggctt ggtagentg cctcaaactc tgctttggtg ttgcccttca 480
nggcatgg 488

<210> 9581
<211> 368
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-D6
<400> 9581

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aatgcgtaga ggttacacca gagaagctta tttggatctt gttaaaaaga ttcggagtat 180
tataccagat gtggctataa ccagcgactt tataactggc ttctgtggag aaactgaaga 240
agagcatcaa gaaaccctaa gcttggtgag agcagttgga tacgatatgg cgtatatgtt 300
tgcatacagc atgagagana agacacatgc ncatcgcaac tacacagacg acgtnccaga 360
ggatgtga 368

<210> 9582
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-102-Q1-E1-E1
<400> 9582

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 ttanntgctt cgccgtgttt gttgttacca gcgttgctt catctgcaa gactaaatca 240
 aagagtcctt aggatgagag acggttacta ggaacagaac aagaggatac agagagagaa 300
 cantgctcct gacgagtttc ctaactttgt tagacaangt tttganngtt aaggtatnag 360
 cttctgataa atacatcaaa ggctgnttct nggntcata taancgggat ttcaatgttg 420
 ggcaaagtga ntttcccaa agatgggtca acaan 455

<210> 9583
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-E2
 <400> 9583

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 ttataagaaa gccgctatca aaaaccatcc tgataagggt ggtgatcccg aaaagtttaa 240
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<210> 9584
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-E4
 <400> 9584

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 gttggccaga ttattggaga agtactacgt cctcttgata acgagcgatt gattgttaag 240
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<210> 9585
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-102-Q1-E1-E7

<400> 9585
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 ttcgctgggtg aggctangaa actagaggat aagcttggtc aagcggctat ggggtcaagcc 360
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<210> 9586
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-101-Q1-E1-G8

<400> 9586
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agctaagaca tacacggtgg agaagagcga gaaagtggag ccggagaagg acggactgag 240
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actgtgcgag aaaccctagg caaggatcag gttcaacgtg ttcgagaaaa ttcctctgtg 360
ggaacnaaat gttgaangat gtannatnan tgaatgagac ggatagcgtc aaggaaactg 420
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<210> 9587
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-D1

<400> 9587

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gctaaactct cgatgctgag aaatgctact tggaccctct ctaatttctg caggggcaag 360
ccacagcctc cctttgacca ggtccgtcca gcactcccag cccttgaacg cctgattcat 420
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acaaatgaca aa 492

<210> 9588
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-D12

<400> 9588

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gagcgtcgga gaaagtctcg aagtttcaat ttcattgtaac cctaagcccc ttgacctttc 180
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tattgaacaa gccgaatcct ttaccaaatt cagaaaatga ggagagtggg aaagcagacg 360
atgacgcgat tctggagccg tttttgaaat tctttaaacc gggaagaaga aggggaagga 420
attgaatcgg aagtttcgga tgagacggat agagtcagcg tagagtatta agattctaaa 480
ccaaggtgat tttgtggttg gt 502

<210> 9589
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-097-Q1-E1-D5
<400> 9589

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ctttgggagc tgttgtgaca actccagaga tagcaggagt gttgactcgc cgtagctact 300
tcaatacatt tgggtggaaat tctgtgtcta ctacagctgg tctcgtgtt ctgaatgtga 360
ttgagaaaaga gaagcttcag gaaaatgctg caatgggttg attctatctg aaaagaaaaa 420
ct 422

<210> 9590
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-097-Q1-E1-D6
<400> 9590

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caaagatcaa atacgagcgt ggatcttccg tggcattcaa tatcagggat ttgaaaagtg 120

gaatggttca tccagagata gtgcagaaac tagctgaaag agaaggcatt tctctaggaa 180
 ttggttacct aagtcacata aagatcatcg ataatcgaag cgaagattca agttcttgga 240
 aaccggtgga tgcagaagga agaaacaatg ggttcataag agttgagggt gtcacagctt 300
 ctcttgggtt cttgacaaac tttgaagatg tttacagatt atggaatttc gtggccaagt 360
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 cgt 423

<210> 9591
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-D8

<400> 9591
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 cggttacgct agatctcgcg gtgttggtgc gtgcgtcggt acgttcaccg tccgtggatt 120
 gagtggtctg aatgcgatcg ccggtgctta cagtgagaat ctgcctctga tttgcatcgt 180
 cggtggtcca aactccaacg attacggtac caataggatt cttcatcata caattggttt 240
 acctgatttc actcaagagc ttaggtgttt tcaagctggt acttgttttc aagctgtgat 300
 taataactta gaagaggctc atgaacttat cgatactgcg atttcaactg ctttgaaaga 360
 aagcaaacct gtttatatca gtatcagctg taatttaccg gcgattcctc ttccgacgtt 420
 tagtcgtcat cctgttccgt tcatgcttcc gatgaagggt agcaatcaga ttggtttaga 480
 tgccggcgt 489

<210> 9592
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-E11

<400> 9592
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 aatcttttct cttattcttc tctttcttct catcttaca aatcttgcaa atcaatttta 120

atgaagagag agcacaacca ccgtgaatca tccgccggag aaggtgggag ttcataaatg 180
acgacgggtga ttaaagaaga agctgccgga gttgacgagc ttttggttgt tttagggttac 240
aaagttcgat catccgacat ggctgacgtg gcacacaagc ttgaacagtt agagatgggt 300
cttggtgatg gaatctcgaa tctttctgat gaaactgttc attacaatcc ttctgatctc 360
tctggttggg tcgaaagcat gctctcgat cttgacccga cccggattca agaaaagcct 420
gactcagagt acgatcttag agctattcct gggc 454

<210> 9593
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-E2
<400> 9593

taccggtgcc gaaatcccg gtagaccac gcgtccggg acgcgtgggc cggaatttag 60
agtctttatt gagtttgatc gattttggga ttataagttt cgcaaaattc atgtttttta 120
cattaagtct attcgatttc agctgtattg ggaatttaag tttttctgtg gcttgattct 180
attgagacag tttttagaa gatcgtccag ctccgcttga tgctacttct gatccaccgt 240
ctctcttoga cggaaccaca aggttgtaga caagctacgt ttgccattt gctcaacgag 300
tttgatcac tcgaaacttc aagggttgc aagaaaagat taaacttggt cctttggatc 360
tggaatang cctgcttggg acaaggagaa agtatatcca agagaacaag gtgccagcgc 420
ttgagcacia tggaaaaatc attggggaaa gtccggattt gattaaataa cctgata 477

<210> 9594
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-E3
<400> 9594

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cccaagcgtc cggnaatggg gatgatgctc ctactgttta taccgtcttt ctcctctccc 120

ttgaaggcca gttcagagct gttctgcaag gaaatgagaa gaatgagatt gagatttggt 180
 ttgagagtgg agataaggcg gtggaaacta gccagggaac tcaccttggt tatgttcatg 240
 ctggaaccaa tccctttgaa gttatcagan aatccgtaaa ggctgtggag agacacatgc 300
 agacatttca tcatcgtgag aagaagaagc ttccttcttt cctagactgg tttggctggt 360
 gcacatggga cgctttctac acatatgtga ctgccgaggg tgttgatnaa ggccttaaaa 420
 gtctttctga aggaggtacc cctccgaagt ttctgatcat agaccatggt tggcaaca 478

<210> 9595
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-E5

<400> 9595

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 gaattcagat ccttcaagaa ctgtaggaaa cggaaccggt gcaagctcga gcaattcaaa 180
 cattacaaac tcatgccttg tgaatggagg agtatctgaa gtgaacaact ccttatgtaa 240
 tgacttctca ttgccagcag gaggcattctc ttcgctgcga ttaccaagtg gtaactagcc 300
 atgagtcgag ccctgtggct aagatgtcga agagtatatg ctcatgctca tgattatcat 360
 attaattcaa tctcaaataa cagcgacggc gaaacattta tttctgctga tgatttgcca 420
 attaatcttt ggaatctgga aattag 446

<210> 9596
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-E9

<400> 9596

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ttaaggcaac tccagatatg gctgttattc ttctcgaaat tgccagaata tttgccacca 180
 aagttccagg gaaaattgac gctgatgtct tacagctgct atggaagaca tgtcttggtg 240
 gagctgggtcc tgacgggaaa cacacagctc tggaagcagt cacgatagta ctcgatctac 300
 cacctccaca accgggggtcc atggctggac tgacatcaat tgatagggtc tctgcatcag 360
 atcctaagtc agctctggcg ctgcagaaat tgggtgcaagc agcagtatgg ttccttgag 420
 aaaatgcaaa ctacgccgca tcaagaatat gcatg 455

<210> 9597
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-F2

<400> 9597
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 ctaggtcccg atcaaaacct cgatccgaaa cctactacga cggatctagc tcttaacgac 180
 gaagaagttt cgaaaccagt tggatctggt ttagaaacga cttcgttttg gtctctatat 240
 gatgatctct acacagatac tattcccgtc cctcctcccg aagattcaat cgacgatcaa 300
 gaagaagaaa tcgaaacgag tgagatcaga cctggacgaa gatcttcccg taaggaaacg 360
 aaggaagatt tgtcgatctc taggatctca tttagcttcc ggtggctgga accttagccg 420
 tgaacaaggc aacaagcttc tcgcgagtag attccgangt gattgtctct acatttgcaa 480
 ttggcctggg tgt 493

<210> 9598
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-F5

<400> 9598
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 ctaaagggtga agtttttggt cttctttttc tttgattcta ctcttttttc gtcacaatag 120

cgcagtagcg atctgggttg gcgtttttat tgacggattt tgggtgggttt gggctcgtgt 180
tagattttac tttcacagat tcaggatatgt atttgatctt atttagcttt ggtaatactc 240
aaaccaacta gtatttgatc ttaattaggt gacgttgata ttttgtgtgt tgtgggtcaa 300
tcatccactc taggttgatc tgcgtctatg tttagtcta attttgaaga atcattctaa 360
ttgctgatgt ttatttatga caattttatg tcttacttcg aa 402

<210> 9599
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-F7

<400> 9599
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cgctcaagct agacgagaag ctcaaatccg gctacaaagc tacaacaact gggaaattca 120
ctgaggctct ccgtctcttc ctttctatcc tgcacaccat ccctctagtg gtagtcgaga 180
caagaagaga agtggatgag gtcaaggaat taatcgttat cgttaaagaa tatgtccttg 240
gtcttcaa at ggagctcaag aggagagaga tgaaagatga tccggtgagg cagcaagagc 300
tcgctgctta cttcactcac tgcaacctcc aaacacctca cttacggctt gcgctgctta 360
gtgcaatggg tgtctgttac aaggcaaaga acctcgccac tgcttcta at ttcgccagaa 420
gactgttga aacaagccca gttgatagcc aagccaagat ggctagacaa gttgtgcaaa 480
gccgctgaac gtaacatgac c 501

<210> 9600
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-C9

<400> 9600
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caatctctgg gaattttcgc tatgcactca gattcaggcg aagcgaccgc tgatggcgat 120

aaagcttcta cagaaaacag caaaaaacgg aagcttaaga ctctatgca agttatggcg 180
 cttgagaatt tctacaatga gcataagtat ccgactgaag aaatgaaggg caagtttagca 240
 gaggaagttg gattaactga gaagcaagtt tcaggttggg tctgccatag aaggttaaaa 300
 gacaaacgtc atgtaaaaga agatgggaat gccattggga gccaagatcg gtcaagcggt 360
 gttcttcagg atcgtgggaa gtgggcttcg acaggattca tgtgggtagt acaaagcaaa 420
 cgggattaat tggaacccca agcctaggga agttgaaaag 460

<210> 9601
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-A2

<400> 9601

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 ccagcctacg ctggtggact ggtcttggag ccaaagagag gcttatatga caaatangtc 180
 ttgctttctg atttcaatag tctttaccct tctattatac aggaatanaa tatctgtttt 240
 acgactatac cagcatcaga agatggagtt cctcntttac cttcgagtca gacacctgna 300
 attcttccaa agttgatgga acatttgggc agtataagga aaagcgtcaa attaangatg 360
 annaangaaa cangtctcaa gtactgggag cttgacattc nacagcaggc attgaagctc 420
 acagccaata gtatgtatgg ctgtctgggg ttttctaatt caagattcta tgctaagcct 480
 ttagcagagc tcanaacact 500

<210> 9602
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-A4

<400> 9602

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 ttaaactctg atcaacccaa gatgtccaat ctacctcgct ctctgtatct tcatcgtacg 120

agagctcttt cttgctttgc atgtcattca ctttatcaac taatcttagc aagatttgat 180
 ggtttagtac ttcatagtcc ctgcattttt agacaagaga ggatatatgt tcaattgttc 240
 atcattttct gagtttgttt tggttaatca aaacattata gtatatatttg gttataacctg 300
 tatgacaaag cagcatgtag aagctgagct gaagcaagaa gagcaaataa agacctgata 360
 aggtttatca tccatgcttg gcgttctgta tcattcacgt atcgtaaact cgccacttct 420
 aatgccag 428

<210> 9603
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-B10

<400> 9603

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 gccgtcccca agcgtacga tctccgcctc aatcccgatc tcatcgctg caccttcact 120
 ggaactgtag ccatcgatct cgacatagtc gccgatactc gtttcacgt tctcaacgca 180
 gctgatctct ccgtcaacga tgctccggtt tctttcactc ctcttctc ctctaaggcg 240
 cttgcagctc caaaagttgt cttgtttgag gaggatgaga ttctcgtgct tgagtttggt 300
 gagattcttc cccatggagt gggagttctg aaacttggtt tcaatggagt actaaatgac 360
 aaaatgaagg gattctacag aagtacttat gaacataacg gtgagaagaa gaatatggca 420
 agttaccag tttgaaccag ctgatgctag gagatg 456

<210> 9604
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-B12

<400> 9604

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 gcgtgggagg acnctgggc ggacgcgtgg gcggacgcgt ggggaaaaag agagtcaagt 120

acttcattgt tgatgcattc gctgaatctg ccttcaaagg gaatccagct gctgtttgct 180
 ttctagaaga cgataacgag agagacgacg cgtggcttca gtctcttgcc ancgagttca 240
 atatctccga gacttgtttc ctcaactccga tcatcggaga cttgcctcgc ttccgtctcc 300
 gttggttcac tccagtcgct gaggtttccg tgttttcttt tggttttgga attcgggaatt 360
 gttcggttga cttgttatca ttgacttgat agatcctgan aactagaact tgtactcatt 420
 cactggctct tgtgaatctc tctttgcttt gctgttattg tgcaagtggg atttgtgtgg 480
 gcatgcaacn ttagcatctg 500

<210> 9605
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-B7
 <400> 9605

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 ctgcaatagt tggaccgttg ttttgggatg tttttgttaa tcagggactt gaaggtacta 180
 gaatactctt gacatgccaa gactttgaca agggctctgt acctcctgaa aaattggagc 240
 tatgtgggct cgatccagct gaacttcacc gtcttgatcg cttacaagat aacacaaatc 300
 cacattttgt taatatatttg aagggcggtg ttgtctactc caacaaagtt gtaataatgt 360
 catcctcaca tagctcaatc cctggctctg aaccaacttt agctatccac aaggacaagt 420
 tgttttttgc tccctttgga atggacaact caatggagaa agacttgtgt tgtgaccttc 480
 ac 482

<210> 9606
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-097-Q1-E1-B8
 <400> 9606

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cgtgggcgga cgcggtggcg gacgcgtggg cggacgcgtg ggcggacgcg tgggaaagt 120
 tatgtcaatc tagcttaca caacttgagt ggaccaatcc cacaaaccgg tgctttggtg 180
 aacagaggac caactgcatt cttggggaat ccaagactct gtggccctcc attgaaggat 240
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 gagcaagggtg gaggagggtc aaagaaagga gaagggttaa gtaaaactgc tattgttgca 360
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 ttgaagattt gtgcacgtcg taatagtgtg gatgaggaag gctatgtgtt ggagaaagaa 480
 gggaaag 487

<210> 9607
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-B9

 <400> 9607

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 acattacca cctgctcaag gaggttacc tcctcaagg taccaccac aacaagggt 180
 tcctccagct ggaggctacc cacctgccgg atatcctcct ggtgcttacc ctgctgcgcc 240
 cgggtggttat cctcctgcac ctggagggtta ccctcctgct ggctatcctg cacctggagc 300
 tcaccattca ggacattctg gtggtggact cggaggcatg atagcagggtg cagctgggtc 360
 agccgcagca gcttatggag ctcacatgt tggtcacgcc tctcacaacc cttacgggca 420
 tgctgtanga catggagggt atggccatgc ccctg 455

<210> 9608
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-C1

 <400> 9608

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gaggcagtga ttgaaaacat tcaattgaaa caaaacatat tcaaagaaat cgaaaagggtt 180
tgttcacccc actgcatttt ggcgagtaat acatctacta tcgacctcga tgtaattggt 240
gaaaagacta actcaaaaga tcgcattggt ggcgacacatt tcttcagtcc ggcccatctg 300
atgccccctt tcgagattgt tcgttcaaag aatacttctg ctcagggtgat tctggatctc 360
atggcggttg gaaaggccat aaagaaagtt cccgtggtgg ttggaaactg cataggcttt 420
gcagtgaata ggacattctt tccttattca caagctgcac atatgttggc caatctangt 480

<210> 9609
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-097-Q1-E1-C11
<400> 9609

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gatgagaagc aagcagtata caataaagag cggataagaa tatctgaaga aaaagaaaag 120
ttcgagaggt ttcaactact ggaaggagaa agattgaaga aagaagagag tgctttgagg 180
gtgcagataa tgcaggaact ggatgacatt agactgcaga gagaatcatt tgaagccaat 240
atggaacatg aacgatcagc gttacaggaa aaagtcaaac ttgagcaatc taagggtgatt 300
gacgatcttg aaatgatgag aaggaatctt gaaattgaac ttcaggaaag aaaagaacaa 360
gacgagaaag atctactaga cagaatggct cagttcgagg acaaaagaat ggcaagagct 420
tagtgatatc aatcaccaga agcaggcttt gaacaggga 459

<210> 9610
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-C12
<400> 9610

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gattcaatct tcttaacaca acaagcagga gactagggtt gtctagaaac tgtagaactc 120
tgccaatcag ttgttcatct tcatctactg tcaactgacca aactcaacaa tcgtctttta 180
atgatgctga gttgaaactc attgacgctt tgatcggaat tcaaggccgt ggcaaactctg 240
cttctcctaa acagctcaat gatgttgaat ctgctgtgaa agttcttgaa ggtttagaag 300
gcattcaaaa tctacagat tctgacctaa tgaagggtcg ttggcgattg atgttcacca 360
caagacctgg aactgcatct ccaatccaaa gaacatttac aggagttgat gtgttcactg 420
tgtttcaaga tgtatacttg aaggnaacaa acga 454

<210> 9611
<211> 192
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-C2
<400> 9611

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gtttactttt gatacaactt tgtgtttgat cgtttnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn gg 192

<210> 9612
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-097-Q1-E1-C5
<400> 9612

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gtcaagggtc cctcgcttgg aaggccannng actgcgccan aaccggcaaa tgcaactctc 120
tccctatcaa catccgattc actggtctaa catactcaaa gattaacagt antacatcaa 180
caaacagcan gcttttccac atgaacatcc ttaactgcaa gaacataact cttacggata 240

tcggtattga tgcacctccg gagagtctca nnaccgatgg tatccacatc ggaaggtcca 300
atggantcaa cttaattggg gcaaagatta aaaccggaga tgactgcggt tccattggan 360
atggtaccga aaatctcatt gttganaacg tataatgtgg accaggacac ggaatttcca 420
ntggaa 426

<210> 9613
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-097-Q1-E1-C6
<400> 9613

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gagcccttga tctggtgaagc tctgtctgat cttctaaagt ttcgcttttt aacttttggg 180
gaaatcatcc acctttgtat caagtttctg gcaatttctt ctctgtagtt agaatcattc 240
aataagccct ttaatctctt cgacgcagct agtggtgaat tacatctggg ttttgtctac 300
tttgtgtcaa aaccatgctt ttatgtttga ttttcgcaaa gtatgattta gggttcgattt 360
taagtgaag aaagacttaa cagttgtagt taactgaaac tatgcgatat ctgattacgt 420
tggtgttatg attttattgg aag 443

<210> 9614
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-097-Q1-E1-C7
<400> 9614

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aatttcctat ttcaagctct ttgttcttag atttatcttt ttgtttgttc ttatggataa 180
aggattaggt tgggggatta aaagagtagt tttgttttgg ttgtgagatt acttgacttt 240
gttaagggga taaattagga gactttgtag ggacactgta ccgaaaaacc ctagttctga 300

tttatccatg gaagtatcat agcacttact attgtcggct ttacttcttc tacttttgta 360
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<210> 9615
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-097-Q1-E1-A12
 <400> 9615

acgcgtccgg aaaaaccaga gaagagagag agataacaac aatggtttct tcgcttctta 60
 tgtcatttgc tccggccacc gtgaggggtt acgccacaag cacaagggga gggtcaggcg 120
 gcccaaagga ggagaagaat cccatcgact ttgttcttgg gtttatgaca aaacaagatc 180
 agttctatga gactaatcca cttctaaaga aggtggatga gaaagaaggc accaccaccg 240
 gaggccgagg aaccgttcgc ggtggtaaaa actcagctcc gacgcctgtg ccgaagaaga 300
 gcgaggggtg atttggtggc ttaggaagcc tcttcaagaa atanaagaaa aaaatgtata 360
 gtantttgca ttattcatgc ctctgttttc attctctaca attcttcgga tttcacntat 420
 atgtaaagct accctttcnt aatcctattt gacat 455

<210> 9616
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-E2
 <400> 9616

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 agtggcacca caacatcgag agttactgaa tcaggaaaag caattcgcac atcatctcct 120
 gctcggcaag aaaacaatgc aagtggatca agtagttcta acagttctag tagtgactca 180
 ggatcttgct ctaagtgata ctgacagtga cagctcttca ggacgtggat cagataatgg 240
 taattaggcc aacaagtcga aagtctttta gcttttagagt cagaaccgtc atgctgtttg 300

atctctttca atagcacagt tagattgatt acactaagtc gataactctt cccaaaagga 360
 ttgattcctg tattgcgatt tttttactgt cagaaaaatg aaaccattta atgtttcctc 420
 ccccngett tgg 433

<210> 9617
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-F2
 <400> 9617

gtttaccnc cgttaccggg caaaattccc gggacgaccc acgcgtccgn ccacgcgtcc 60
 gggtgggtaa ggacaggcct gcttgtaaac tggaaatggg gaaagctgga gttatcgact 120
 gcgtacttga tattctccac gaagctccag attttctatg tgctgcgttt tcagaactgc 180
 ttogaatcct cacaataat gctactattg ccaagggaca atctgctgcg aaagtgggtg 240
 agccactttt ccatttgctg acgaggttgg agtttggagc tgatggacag cacagtgctc 300
 tgcaagttct ggtaaataac ttagaacatc cacaatgccg cgctgattat acatttacac 360
 cgcaccaagt aattgagcct ttaattccgc tactggaatc tccatcccca gcagtccaac 420
 agttggcagc tgagcttcta tctcatcttc tctacgagga gcac 465

<210> 9618
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-F3
 <400> 9618

aacgtttacg ccgcccgtta ccggtgccaa naattcccgg gaacgaccca cgcgtccgga 60
 gagagtgtgg tttgattgag gaaagacgac gacgagaacg ccggagaatt aggattttga 120
 ttttattttt tactctttgt ttgttttaac gctaattggg ttttaaaagg gttatcgaaa 180
 aaatgagtga gtttgtgttg aggttgtctc tgtaaagtgt taatggtggt gattttcgga 240
 agttaggggt ttctcggatc tgaagagatc aaatcaagat tcgaaattta gcattgttgt 300

ttgaaatgga gtcgagttat gtggtgttta tcttactttc actgatctta cttccgaatc 360
 attcaactgtg gcttgcttct gctaatttgg aaggtgatgc tttgcatact ttgaggggta 420
 ctcnagttga tccaaacaat gtcttgcaga gctgggatcc tacg 464

<210> 9619
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-096-Q1-E1-F6
 <400> 9619

agattcatgg cggaagcttg cggagtgaga aggatgaagc tgggaagcca aggccttgag 60
 gtatctgccc aaggccttgg ttgcatgggc ctctccgctt tctacggtgc tcccaagccg 120
 gaaaatgaag ccacgctct catccaccac gctattcact ccggcggtac tctccttgac 180
 acctccgata tctacggccc tgagaccaat gaagttctcc tcggaagggc tctcaaggat 240
 ggggtgagag aaaaaagtgg aacttgcgac caaatttggg atcagttatg cagaggggaa 300
 aagagaggtc agaggagatc ctgaatatgt aagggtgct tgtgaggcaa gtttaaagag 360
 gctagatatt gctgcatcg atctctatta tcagcatcgt gtcgat 406

<210> 9620
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-G11
 <400> 9620

agcnggcctt acgccgcaa taccggtcna agnattcccg ggtcgacnca cgcgtccgaa 60
 aaaaaatgga gaacgaaagc tcagagagta gaaacagagc tcgtcttgcc attatggagc 120
 ttgctaacat gattagcgtt cccatgtctc tcaatgccgc cgtgcgacta ggcattgccg 180
 acgccatttg gaacggcgga gccaatctc ctctctctgc cgccganatc ctccctcgcc 240
 tccacctacc atctcacact accattgggtg gcgaccccgga gaatcttcag cgtatacttc 300
 ggatgctcac cagctacggt gtctctccg aacaccttgt tggatccatt gagaggaaat 360
 actctcttac ggangtcnga aaaactcttg taaccgactc cgggggcctc tcttacgctg 420

cctacgtcct ccancatcac caaggtttaa gactcatttt

460

<210> 9621

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-G2

<400> 9621

aactttaccc gcccggtacc gggccaqaat tcccgggaac gaccacgcg tccgcttctt 60

ctagggcttc cacgcgacta cgctgcca aatcattcta caggaagcat gaagccagtc 120

ttctgtggga actttgagta tgatgcgcgc gaaggtgacc tggaacgact attcaggaaa 180

tacggcaagg ttgagagggt tgatatgaaa gctggatgtg tttgataatc ttgggacgcc 240

tatactcaca cctggccatg aatggaccat agggaaatcc atctcttatc cctcaaaatc 300

agtcactttc catccgcatt aagcactgcc atcttaattg catttcattc ctcatcactt 360

tgcacacttg gacatgcctc tgcaatggaa gaaggctctc tattttcatt catatccccg 420

tctgacttcc acattttcag ttgttccttg acatattaat tccataatgc aagg 474

<210> 9622

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-096-Q1-E1-G3

<400> 9622

gttaccgcgc cgttaccggg ccanaattcc cgggacgacc cagcgtccg nccacgcgtc 60

cgagcttggc cacttgcaag aagcagctcg tgaaatgagg tatgagatga tttcgaatgt 120

gtgttttcga caacagattg aggtcttgct tatagcgcac catgcanatg accaggctga 180

gttattcatt ctgaggttat ctgtagtag cgggtgtactt ggtcttgccg gtacagcttt 240

tgcttccgag attttctcca gaaatctgca gttagatgca aaacatatga agaaccaatc 300

tattcgctta gtgcgtccgc tactagattt atggaaagaa gacatgtaca agatatgtca 360

atgggggtana caagattggg ttgaagatcc aactaatcgt agtcagttgt ttgttcggaa 420

taggattcga acatcaatag gaaatctaaa atcaggtagc

460

<210> 9623
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-096-Q1-E1-G6

<400> 9623

tcatggatgc agcagaagct ggtcagatca tcgaaagttg ttgcccgggt ctttgtggca 60
ttgcatgcaa gaaaggaagt caatgtggat ttaaagaaag aagctgagta ctttggatgat 120
attgtcatag taccgtacat ggatcattat gaccttgttg tgctcaagac agttgccatc 180
tgcgaaatag ggggtgaacac agtggcggca aagtacgtta tgaaatgtga cgatgatata 240
tttgtgcgtg tggatgctgt gatccaggaa gcagaaaagg ttaagggag agagagcctt 300
tatattggaa acattaattt taaccataag ccattgcgta ccgggaaatg ggctgtgaca 360
ttcgaggaat ggccagaaga gtattatcct 390

<210> 9624
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-096-Q1-E1-G7

<400> 9624

acgcgtccgg caacaacacc aataagctcg ggtacatgta cttccgggtt atctcagcag 60
ctgaagccac agcttaagaa ttcttctagt tcaaagttat gtcaagtcga aggatgtcat 120
aaggagagcaa gaggcgcac tggctggttg atttcccatg gtgggtggacg tagatgccag 180
aaacatggtt gccacaaagg tgccgaaggt cgaactgtgt actgtaaagc ccatggaggt 240
ggctgctgat gtgagtttct cggatgcacc aaaagtgcag aaggccgtac tgacttctgt 300
atagcccatg gaggtggtcg aagggtgcagc catgaagatt gcacacgagc tgctagagga 360
agatcaggac tctgtatcan gcacggtgga ggaaagagat 400

<210> 9625
<211> 406

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-096-Q1-E1-G8
 <400> 9625
 caagtccacg acgaaacttt tcatcgatct tcaaattcca gaaaaaactc gatgaatctt 60
 caagctgttt cttgtagctt eggattcctt tcgagtcacac ttggtgtcac tcccagaact 120
 tcgtttcgtc gcttcgtaat ccgagcgaaa acggaaccgt cggagaaaatc agtagagatt 180
 atgaggaaat tctccgagca atatgctcgt cgctctggga cttacttctg tgttgataaa 240
 ggagttactt cagtcgttat taagggtttg gctgagcata aagattcata tgggtgcaccg 300
 ctttgccctt gcagacacta tgatgataaa gctgctgagg ttggacaagg cttttggaat 360
 tgtccgtgtg ttccaatgag agagaggaag gagtgccatt gatatgc 406

<210> 9626
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-G9
 <400> 9626
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 ttattttattt attttggtgg tagaaaacag actttgatgg cttttagga atactagatg 120
 tgtagatcta aagattataa ccattttctg tgttcttggt ctttcagaac ataacctcat 180
 gtctttttgt ctctctgttc actagctctc tgtttccatg gactccacac gatcttcttc 240
 ntacagattt atttcataca catacactga nacacatgtg tgnntacgta agtggtttatg 300
 tgtgcttang naaacnctt ttggattcag gaaactantc cgtnngtatt tttgngattc 360
 tgngtaaatt tangnccacn tcttaggccn tgggtgacct ttnacagtgg gg 412

<210> 9627
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-096-Q1-E1-H1

<400> 9627

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aaaaccttca aagtggctcc gattttgatt tcaaacta aaatatttat ttacctaaaa 120

acatgagttc actacaatga cccgtaccga accaaaccgg agccggagct ccaattccga 180

ttccgataag aattccggta acgtcggcgg aggtagaacc accgggatga gggttattgt 240

tccgttaciaa ggtgtggtac aaggtcgtgg tgggtttatt cttaggctct gtgattcctt 300

gtgctttctt ctactttctt caattttacc taaaacgaaa tcgtaaaaac gacgaatcag 360

ataattccgg gtgaacaaaa ctctcaagc ttcttc 396

<210> 9628

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-097-Q1-E1-A1

<400> 9628

acgcgtccga aaagtgaagt tgaccttttg tctaaaattg gccaccggaa cctagtgaag 60

cttcttggtt atgttgacia aggagacgag cgacttatca taactgagta tgtcagaaat 120

ggtacactcc gcgatcactt ggacggtgct cgtggaacta aacttaattt caatcaaagg 180

ttggagattg ttattgatgt ctgccatggc ttaacctatc tccattctta tgcagaaaga 240

cagataattc accgtgacat aaaatcgtcg aacattctac tcacagatag catgagagcc 300

aaagtagcag acttcggctt tgcgagaggc ggtcctactg actcgaacca agactcacat 360

tttaactcaa gtgaaaggaa ccgttggtta tctcgatcct gagtacatga aaacttatca 420

tctcactgct aaaagcgatg ttactcgtt cngga 455

<210> 9629

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-097-Q1-E1-A10

<400> 9629

acgcgtccgg gtaactggag gaacagggtt cattgcttct tacatcatca aatcacttct 60

cgaactcgga cacaccgttc gaacaactgt ccgaaaccca cgtgatgaag aaaaggttgg 120
 atttttatgg gaatttcaag gagcaaaaaca gaggctaaag attctccaag ctgatctaac 180
 ggtagaagga agttttgatg aagcagtga tgggtgtgat ggagtattcc aactgcttc 240
 tctgttctt gttccacagg atcataacat tcaggagact ttggttgatc ctattataaa 300
 gggtagaaca aatgtgatga gctcttgtgc caagtctaaa gccacattga aaaggattgt 360
 tcttacgtct tcttgctctt cgatacgcta ccgtttcgat gcaactgaag cttctcctct 420
 caatgagtct cattggaagt gatcctgaat attgcaa 457

<210> 9630
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-096-Q1-E1-E10
 <400> 9630

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 ctacgcctgc caaaatcatt ctacaggaag catgaancca gtcttctgtg ggaactttga 120
 gtatgatgcg cgcgaagggtg acctggaacg actattcagg aaatacggca aggttgagag 180
 ggttgatgatg aaagctggat gtgtttgata atcttgggac gcctatactc acacctgngc 240
 catgaatgga ccatagggaa atccatctct tatccctcaa aatcagtcac tttccatccg 300
 cattancact gcnatcttaa ttgcatntca ttntcatna ctttgcacac ttggacatgn 360
 ctcttgcaat ggaagaangc tctctatctt cattcatatc cccgtctgac cttcnacatt 420
 tt 422

<210> 9631
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-094-Q1-E1-G8
 <400> 9631

tgatgagaca gagagctgca gaagtcgctg gaacctcggg ttgattaatt tttgtaaata 60

ctaatttcat ttaggatcta agcagaagtg gaaatgtaat cttcttccga aagttaagaa 120
gataaaagaa actggtgttt atgatctcca cttgaagaag gtgaagaaaa agtgaataac 180
agcagctagt gaagacatga aacagccata taacgattta atttagatgg attcctattt 240
aacagtcgca agtcgtggag tgatgatgat gaataacttg agtgacttga agagtttctc 300
agcttaagtg ccaattgaag cagaagaatc gtcgtagatg ctaacttatg ctgtgtgtaa 360
ggtcgcgaaa aggaaagaaa tgagattcca gactcctcga ttagttcaat gggcttgatc 420
cn 422

<210> 9632
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-094-Q1-E1-G9
<400> 9632

cttttcaaga atcatccaga agagctacag tcacataaat atgctatcat acagaaactc 60
agggaaacgca ttagtgatga tgataagcta gtgagagatg ttttttatca actatttgat 120
attgacatct ttcctctttg taaagaggat aaccagggcc ttatggtgtc acttttgatg 180
ccatacatat ttagcgctat ggctcattca gctattgatg ttcgtttgat ggctttcaaa 240
tttttccacc ttgttggtgg agttctaccc gcctaccttt tccttggtatg ctgaaaagat 300
tctcgaaaac tacaaggata ttatacagaa aaatcatttt tatgtggaag ataaaagcaa 360
gctaaaggtg gctctttctg ggttgtcaca ttgcctctcg gttttgcca 409

<210> 9633
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-H10
<400> 9633

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gcaattggtg attactgctt ttggtgggat ggtgtcttgg gaaggagaag gtgcaccttt 120

caaggaggat gatgagagta ttacacatca tatcatcgat aagccaagcg ctggccattt 180
gtacctttct agggatatatg tgcaaccaca gtggatctat gactgtgtga atgctcgcat 240
aatcttgcca actgaaaagt acttggtcgg aagaattcca ccgccacact tgtcaccatt 300
tgtggacaat gaagcagaag gatacgttcc tgattatgcc gaaaccatca aaagactaca 360
ggcancaagc angaaacgaa gtgcttccat tgccaggtng ttgggaa 407

<210> 9634
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-H12
<400> 9634

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acctaagtat cagcacacct gaaatttaag ccatctttgc ctcaaactga agatccaaaag 180
acggtgaagg atgtagagcc ttacaccgtt aaagtagtaa tggctcttgt ggccgacctc 240
gagaaggaat gtcccaagac aaacaagttc aaggccttct ttgagaaact taaaggattc 300
nccaagtatg tttgcccaat aaagaaggat tgggcaagtn agattacgaa cgggacatga 360
aaggcaaaac ccggggggta tcntcaaang gcaanacctc cttttgcnaa ttgggaaaga 420
atttagggaa ggaaattcca agaag 445

<210> 9635
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-H3
<400> 9635

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gcgatgtccg ccgaatcagc tatgccaaat tcctaaggga caggttgatc tactacgatt 120
ttattgactg gtctggtgtt gaatgtctta accaaagctc aagtcactct ttgcccaatg 180

ctctcaagca gggatataga gaagatgaag gtttaaactt agagagtgat gctgatgaac 240
aactttctcat ctatatctct ttttaaccaag ttatcaaact acatttccttt gctatcaaag 300
gccctgaaga ggaaggctct aaaactgtaa agttttttctc aaacaaagag cacatgtgct 360
tcaagcaatg tcaatgattt tctccaagc gacaccgctn aaactaactg 410

<210> 9636
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-094-Q1-E1-H5
<400> 9636

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accgatgggg acaaagaaac aagagtgggtc caaagacttg gcctttgggt ggagcagcga 120
tcgaacagtt aactaatttt gatcgaatgc atgattgggt cgttgagtat ctttataact 180
caagaacagt agtgggtcca atgccattca ctacttatac atacatagct gatcccatca 240
acgttgaata tgtcctgaaa acaaacttct ccaattaccc caagggagag acttatcatt 300
cttatatgga agtattgttg ggagatggga ttttcaattc tgatggagag ctttggagga 360
aacagagaaa aaccgcgagt ttcgaatttg cttccaagaa tcttagagat tttagtactg 420
gtaagtgttt ta 432

<210> 9637
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-H6
<400> 9637

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agcgagaacc ctgtgattct gttcgaacac gtgctgcttt acaatctcaa ggagaaaatc 120
ccggatgaag attacgtctg taaccttgaa gaagctgaga tggtcagacc tggcgagcac 180
attaccatcc tcacttactc gcgaatgagg taccatgtga tgcaggcagc aaaaactctg 240
gtgaacaaag ggtatgacct cgaggttatc gacatcaggt cactgaaacc gttcgacctt 300

cacacaattg gaaactcggg gaagaaaaca catcggggtt tgatcgtgga ggagtgtatg 360
agaaccgggtg ggattggggc aagtcttaca gctgccatca acgaagaact ttcattgacta 420
ctanattctc cgg 433

<210> 9638
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-H9
<400> 9638

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cggggaagtt aaaattcttc gcgggtacga actccgtctc atccggtgca ccgtctcttt 120
gccactatca gatectcttc tcgatgaatc ccaaccgga acccatccac acgactctct 180
tataaagtcc cttttgtctt caatcgaggc tgggaactat cttgaagctt tagcctccga 240
agctactaat ctaatactcg gagagtaaga gttcgacctg gttgattccg ccgagcgagt 300
ttactccgag nttctcaaca aagtcgaatc gttcgtgttg aacgattctt cggatgaaat 360
cgataaggnt cggngttctt ttctgtgatg tgcttagcaa tcgcgggtgc 410

<210> 9639
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-095-Q1-E1-A10
<400> 9639

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caagactggg aaatacttca gagctcgaga tctaccacgg aagatgacaa ttcgaggagc 120
ttggaggaga ttgatgatgg cagcgaaggt atgattaggt ttgatcattt ctctcttgag 180
aaccagagtg gtttgtctcg tttggaggca aacgatgaag atgggtctgt tcaatcgggt 240
agtccaggat ggatcgaacc tagctccgat gttccttatg gtccgaagca ttttaagtga 300
gttatggctt gattcaagca gtgatcggct tgatgatcaa aggttagtgg atgatgatgt 360

gaataacgag atgggtataa gaagagaaac gaagtggggt atgttga

407

<210> 9640

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-095-Q1-E1-A11

<400> 9640

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nnnnnnnnnn nnnnnnnnnn nnnnnnttct ggaatagtca tcattcttctc tgtttctagg 180
ctttgtttat ttgtctctaa agtttctgga ttcaacttct gaagaagata gtagtagtcc 240
acaagaagga tcttctttac cagaaagttg atttgggtcaa gagccaagga agatgggtta 300
catgtgtgac ttctgtggtg aacaaagatc tatgggtgtac tgtcgatncc atgcagcttg 360
tttgtgtctc tctgtgacc gggagtgttc attccgctaa tgcattgtcc aaacgacatt 420
ctcggacact tgtctgcgaa gagatgcaat gntcaaccc 459

<210> 9641

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-095-Q1-E1-A12

<400> 9641

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ttccccact gctcttgggt ggtggtggtt acactatccg caatgttgcc cgttgctggt 180
gctacgagac tggagttgca cttggagttg aagttgaaga caagatgccg gagcatgaat 240
attatgaata ctttgggtcca gactatacac ttcacgttgc tccaagtaac atgggggaaat 300
aagaattctc gtcagatgct tgaagagatt cgcaatgacc ttctccacaa tctctctaag 360
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cganggttg

429

<210> 9642
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-B1

<400> 9642

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taagacggag atggattcca atttctctcg ccatggttct tcctccgaag gtgattttgg 180
tttcgctttc aatgacagta acttctccga tcgtttgctc cggatcgaga tcttgggtgg 240
gccttcggat tctaggtctg atgctgaagg atgtacgagt attgccgatt gggctcgtca 300
tcgcangang agaagagagg acaacaagaa ggacaatggg gttgcgattt cagacattgt 360
ggcatgtgct gaagaacaga ttttaaccga taacaaccaa cctgatatgg gatgaagctc 420
ccgggtggng aataaaacct tgangaanaa aagnaaaggc aattggttta aaaaggcttt 480
tcaagg 486

<210> 9643
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-B10

<400> 9643

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agagttgaga gtttgacacc gtcacatg gcagaaccgg aggtgattca ctcatggtct 120
gcaccaagat ctctcagcac cagcctcatg tactccttng ctccagagact tgacactgaa 180
gttgctgacg agccgttgta tgcacatctt cttaaagcta cagggtttga tagggcatac 240
agagacnaag ttctctcaa gatggagtgc aatggagaga aagttgtgaa agatgtcata 300
nanggatcag gatcnaagaa ntaccgggna ttgtaagcat atctcgaagg cancggttt 360

tccngtttgc caagtnaaac tgatgagtag nagggnaang catttcanaa ttaataccga 420
natccctctt taacaatagt ggccttcctt tngagaaggg 460

<210> 9644
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-095-Q1-E1-B11

<400> 9644

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ccgcgagact atggattact tccgtgcatg ttaacttttcc gacgagcgat ctctcgcgcg 180
actacgactc acggaagaaa ccctcctctt aaactccggc aactacacag tgtggcattt 240
caggcgcta gtactcgagg cccttaatca cgacttggtt gaagaactcg agttcatcga 300
acgcattgct gaggataact ctaagaacta ccaactgtgg catcatcggc gatgggttgc 360
aagagaaact gggctctgat gttgcangga gaagaacttg antttacccc gtagagtact 420
ttcacntgnt gccaaaacat tnatcaagcc ntgggtcaca tagggcagtg 470

<210> 9645
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-G7

<400> 9645

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gttaaagatg aaggaaagat ggctaacgtc gaggatttgt gtaaagagtt cgacactcca 180
gactcagcac gaaagatggt taagctaaaa gcttttgaga agtttgacaa tacatctgaa 240
gctctcgaag ctgtggctaa attgctggag ggagctccaa gcaaaggctc gcgcaagttt 300
ttgaaagcta attgtcaagg tgaaaccttg gctgtggctg attcaaagct tgggaatgtt 360
atcaaggaga aactgaaaat tgattgcatt cacaacaatg ctgttatgga gcttctac 418

<210> 9646
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-E6

<400> 9646

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cattcgctgt tctccaatcc aaatacgcca aatcttccca aaaataaata aacctttcct 120
tttctttctc ttactctgt tcccatatct acagtgactc ttctcnctct gtatattant 180
cttccttcac aatctcgctc tctttactgg gtcttcttca gcttcngagt cttctcctct 240
ctctctatct ctcaagtggg ctttgctttg ctgtttttgt cntccttcga cgactcactt 300
ttgcagattc ncataaattc ttcaaagctt tgagtcngtt ttcaagattc gagggtcggt 360
tttatatatg cttcanatct cttacccaag atcaggtatg gagactcctg n 411

<210> 9647
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-E7

<400> 9647

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gaaatggacg cttctatgat taccaattcc aaatccatta cttctccacc ctcttttagcc 180
ttagggaagt caggaggagg aggagttatc agaagttcac tatgtaactt aatgatgcca 240
agcaaagtta acttccctag acaaagaact caaactctaa aggttagcca gaagaaactc 300
aagagagcta ctagtgggtg tcttggtggt acatgcagtg gtggtgataa gattctcgta 360
gcgaatcgag gtgaaattgc agttcgtggt atcagaactg ctcatgaaat ggggat 416

<210> 9648
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-094-Q1-E1-E9

<400> 9648

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ttggntcctt tgatgattca ttcagcttgg cttctctaag agcttacctc gctgagttca  120
tctccacttt actctttggt ttcgctgggt ttggctctgc cattgcctac gcaaagntga  180
cgtcngacgc tgctcttgat acacngggac tagtggccat cgcgggtttgt canggttttg  240
ctctcttcgt ggcgtttgca atcggnnca anatctccgg tggcnatgtg aaccagccg   300
tcacttttgg ncttgctgtc ggtggncaaa tcacagtcac caacggagtt ttctacggga  360
tngetcagct tcneggtctn aancgccgct tgtttctctc ttaaatact               409

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<210> 9649

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-F10

<400> 9649

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aaggcttttg gtttgcaggt ttcagctgct ggttatgacc gccaaaggtgt ggctgaccac   60
gcaagtaacc tggctaccaa aattaggaat aatctcacca attctatgaa ggcacttggt  120
gttgacatat tgacagggtt tggcgtgtgt ctgggcccac aaaagggttaa atatggtgac  180
aatattatca ccgaaaaaga tataatcatc gcaactggat ctgtaccgtt cgtcccga   240
ggaattgaag ttgatggaaa gactgttatc acaagtgatc atgcattgaa attggagtcc  300
gttcctgact ggattgcgat agtaggaagt ggttatatcg gtcttgagtt cagtgatgtt  360
tacacggccc ttggaagtga ggtaactttt attgaggcac tggatcaact a               411

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<210> 9650

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-F11

<400> 9650

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 tgaagcagag tgcaatgatg tgtatgggtt agacgatgaa cttctagaga tggttccaaa 180
 gcctgttctt gctgttctct tcctttaccc aatcaccaaa aagagtgaag aagagagaat 240
 cgagcaagac aaggaaatta aggaaaaggt gcatagcgat aaagtttact ttatgaaaca 300
 aactgttggg aatgcttgtg gaaccattgg tcttcttcat gctattggga atattacctc 360
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<210> 9651
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-094-Q1-E1-F12

<400> 9651

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 gcaagtaacc tggctaccaa aattaggaat aatctcacca attctatgaa ggcaattgggt 120
 gttgacatat tgacagggtt tggcgctggt ctgggcccac aaaagggttaa atatggtgac 180
 aatattatca ccggaaga tataatcatc gcaactggat ctgtaccgtt cgtcccga 240
 ggaattgaag ttgatggaaa gactgttatc acaagtgatc atgcattgaa attgggagtc 300
 cgttcctgac tggattgcga taagtaggaa gtgggttatat cggctcttgag ttcagtgatg 360
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<210> 9652
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-094-Q1-E1-F4

<400> 9652

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gaagcgactg agttctcgaa agaacaagca ctcaccgacg ctgcagaaaa tctccttaaa 180
cctcatttct caactgatgc gactctcagt cttctcgagg taatggagtc tctgctcgcc 240
actgtcgagc aagatctttc ttcattcagta caaaaggccc tacatccacc aatgagggct 300
ttgggtatccg ctgatctttt gagaaacctt gattctgatg ttagggtttc tgttgtctct 360
tgcttgaccg aaattatgag gattactgct cctgaagccc cttacaacga tnaagcaaaa 420

<210> 9653
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-094-Q1-E1-F9
<400> 9653

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ccacaaacag aaaaagaaga tactaaaaat tataaaatcc cgataataga atcatgaaat 120
tgtttccgtt tatgggtggt ttaattgctt ctaatcggaa tctcttgccg ttatcgtctg 180
cttatcaggg taatcaaaga ggcactactg atttcatgga tcattgtgat tgaagttttg 240
agagttggtg aatcagcaag cttctgttac agagccttag caacagaaag caaacagaaa 300
atgggtcaaaa ctctgtctca gcgtatcaag cggatgagtg ttgtagatgc actttgcatc 360
cgggtctcaga tctcgggtcaa atctgcccgg tattgtaaga cagttagtaa 410

<210> 9654
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-G1
<400> 9654

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ttttcaggaa tcatcatggt gagaaagaga agaacggatg ctccatctga aggaggtgaa 180
ggctctgggt ctctgaagc tgggtccagtc tcagggtggtg gacgtgggtc acagcgaggt 240

ggtttccagc agggaggagg acaacaccaa ggtggaaggg gttatactcc tcaacctcaa 300
cagggagggtc gtggtggtcg tggatatggg caaccaccac aacagcaaca acagtatgga 360
ggaccacaag agtaccaagg aagaggaaga ngangacctc ctcatcaagg aggtccaang 420

<210> 9655
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-G10
<400> 9655

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agaatggtgt atttcaattt caataggatt aagacgaaga agactctaata tggatttggga 120
ttgggacaga tctctcgcgt tctctcgact tctcttagct ttacatcgct tgagatcgct 180
agaaaagatt ttagcttttt ttttttttca aaccatccca tttttaaaca ttctcatgaa 240
cttacaaaat ttgaaatctt tatagggatt aatgctccaa catcacagtc gtttctgggt 300
tatgtgttac tggcaatcgt ctatggagta tgagaatgag cattgaaggt ttcattagta 360
attttctaac gaatgcaaaa catttgtaag ccaagtggga tcacnaac 408

<210> 9656
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-094-Q1-E1-G12
<400> 9656

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actaatgatt cttgtccttt ggtaaagaac attcttcttc tagactctga aggaaagcgt 120
gtggctgtca agtattactc cgatgattgg gcaactaatg cttccaagtt agcttttgaa 180
aaatatgtct tctcgaaaac ctccaagacc aatgctcgca cagaagctga gatcacactg 240
ttggagagta atattgttgt ctataagttt gccaggacc tgcatttctt tgttactgga 300
ggtgaaaatg aaaacgagct cgtcttatca tctgttcttc aaggcttttt tgatgctgtt 360
gcgttacttc tgaggaacaa tgttgaaaag atggaagccc ttga 404

<210> 9657
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-G2

<400> 9657

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tactatgctt cttcagctct acttttgcac tcaggattct taaggacctc cctatgatgg 180
agccattaaa gctanatctg aaccatgaaa tgatgcctgg gatggntatg ctacagccan 240
atcatgangt ccaacctgag cacacgggtc atcctggcca tacactccag tccatgtccg 300
gtgtatcatn aacatccaga gcacacgggt aagcctggcc atacactcca gtccatgtcc 360
ggtgcattag aacatcctga agcacaagga aaagcctgac cataaaactcc agtctatgtt 420
gggagaagca tcctgagcac anggaaaagc ctgaccataa nctccanctc catgtttggg 480
agaaatcc 488

<210> 9658
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-G3

<400> 9658

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ggcaaacgca tattttcatc aaatgttttc tagtcatttg agtggtgacg caatggttca 120
aatgctttcc cgatacaagg aatctttggt tccaagggaa aaattaattt ttgaatgcat 180
gattgcta atgtttgaag aatatcggtt tttccccaag tatcctgaga gacagctgaa 240
aatagcctcc atactctttg gttctgttat aaaacaccag cttataagtt cgctcactct 300
ggggatggcc ctgcgtctag tggttgattc cttgcgtaaa cctgcagatt caaaaatgtt 360
tctgtttgga agcaaaactc tggaacantt tgtgaatcnt ccgggtgaat tggcncaaa 419

<210> 9659
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-G4

<400> 9659

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actgtcatta ctgatctcaa cacttgtcat cctacttggg ttcattccggg ggtgaatagg 120
tgctattgcc cgtctcaaga agtggcgaaa agggcggttg ttgatgggct tgatgagtct 180
caagtccgtg tctttgggtt acctgtgagg ccatcttttg cactgagcggg tttgggtgaag 240
gatgatctaa gaaaggagct tgagatggat caagatcttc gtgcgggttct actgatggga 300
ggaggggaag gtatgggtcc tgtgaaagaa acagctaaag ctcttgagga atttttgtat 360
gataaagaga acaggaagcc tattgggcaa atggttgtta tctgtggacg taacaagaaa 420
ttggcatccg cattana 437

<210> 9660
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-E5

<400> 9660

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncaacc gacanaacca 180
agattcatcc tccaagacgc caccgtctac gcctttaatc tctcgagcc taacctcctc 240
acctcaaact ttcagatcac gatcgcttca cgtaaccgaa actcaagaat cggaatcta 300
ctacgaccgt cttcacgtct acgctactta ccgggaacca acanactact ctacgtacag 360
caattcctcc gacgtaccaa ggccatanag aagacaacgt ttggtctcct ttcgtttatg 420

<210> 9661
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-094-Q1-E1-G5

 <400> 9661

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 cctttgtcgt caaacctcct gagaagaagc agaggctccc atctgcatac aaccgcttca 120
 tgagggatga gatccaacgc atcaaaagtg ccaatccgga aataccacac cgtgaagctt 180
 tcagtgtctg tgccaaaaat tgggctaagt acatacccaa ctctcctact tccattactt 240
 ccggaggcca caacatgatc catggcttgg gattcgggtga gaagaagtga aaaaaactca 300
 ggggaaaaga agcctaaaaa taacaaacgc atgcacgtgt gcgagtggct gcgtcgtttt 360
 tctcatcttg tgttgttctt ctgtgtaatt ttcttatgta tgtcatgttg cagaaaatg 419

<210> 9662
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-094-Q1-E1-A7

 <400> 9662

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 cgtgttttct cgctctagta ccgcgagctc ggacgaacca ggaagcaatc cgttaatcta 180
 gaagcgggtg tgagaagatg acgattacat caaatatctc tgtacagaac gataacctcg 240
 ttgttcaagg gaagactatc cttacaaaaa tccctgacaa cattatccta actccgggta 300
 ccggtaatgg attcgtttcc gggttcattta taggcgcgac gtttgaacaa agcaagagtc 360
 ttcattgtgt ccccatcggg gtattggagg gtcctcgggt catgtgctgt ttcccc 416

<210> 9663
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-094-Q1-E1-B11

<400> 9663

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catgctctca aggacaaagt ctcacaaaaa ctctctaate tcttcgccga ttctccaagc 180

caatctgctt ctctctgtta ttccaactcc gattctccaa aggctagggt gaattcaagt 240

gtaggcaa at cattgtcttc gtatttctca tttgttggtc ctcaatctgg gaacgaggag 300

gattctgagt tatgtccacc tctaccatt agaacagaga gctatgagtg tattgagaat 360

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<210> 9664

<211> 487

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-094-Q1-E1-B3

<400> 9664

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aggggtgctc tatcacgccg agtgaatcca aatttaagaa gttgatagat gaatgcaatt 120

ttctaatac agaagaagag aaagatttgg ttcaaccggt gccttcgact ttgccttcaa 180

gtgtgacagc accaccagta tctgaacttg atgtcacccc tacagccaag tacaggcacg 240

agtactacca aaagccagag gaagttgtgg taactgtttt tgcaaaagga ataccaagc 300

agaatgttaa catcgacttt ggtgaacaaa ttctgagtg tgtgattgag gttcctggag 360

aggatgcgta ttatctcaa ccgagattgt ttggaaagat aataccagat aagtgcaaat 420

atgaaagtat tgtcgaccaa aattgagatc tgtccttgca aaaagccgat ataatacat 480

nggcctc 487

<210> 9665

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-B6

<400> 9665

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gtacagagtg gaagatgact acgattacct cttcaaagtt gttcttatag gcgattctgg 120

agttggcaaa tccaatctcc tttccagatt cactaaaaac gagttcaatc tagagtctaa 180

atccaccatt ggcgtcgaat tcgccactcg taccttaaaa gtcgatggca aagtcgttaa 240

agctcagatt tgggacactg ctggtcagga gaggtaccgt gccatcacta gtgcatatta 300

ccgtggagcc gtgggtgcac tcctagtata tgatgtaact cgccgtgcaa catttgagaa 360

cgtagatcgg tggttaaagg agctcaagaa ccacacaaga ttcaaakat 409

<210> 9666

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-094-Q1-E1-B7

<400> 9666

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tgcacaaaag caagcaaaat caggaactga aaatgctggt tggtagaga aatggtggga 180

gaagtacgat gctaaagggt ggacagagaa aggagcacat aagtatggta gacttaatga 240

gcagtcattg tgggagaagt ggggggagca ttatgatgga agaggatctg ttctcaaattg 300

gacagacaag tgggctgaga cagagttggg gaccaaattg ggaagacaag tgggaagaga 360

aatttttcaa gtgggattgg gttcacgtca nggggagaca tggcatgttt cacctaacaa 420

c 421

<210> 9667

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-094-Q1-E1-B9

<400> 9667

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 cgggtgcaga agaaactgct agtggaattc tgccctcttct tgtatgactg ttaagacggc 120
 gacagaaaag aagaggcaga attcnactag cagaaaggat aaagccctgc ggtacagcta 180
 cctaagaggt ccaggtggtc ggtttaggaa tccttatgat ctcggtgca gaagaaactg 240
 ctcgacttc ttagtaaaaag gttataacga agatattgag tgtcatgaag aagacgcaac 300
 acataganca agaggggtatt agcatgatgc agatgcagcg ggaatccaaa tcttcaaaat 360
 gggcaatggg catgttgcta tcgatgttta accccgacac aataattcag tcancacatg 420

<210> 9668
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-094-Q1-E1-C10
 <400> 9668

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 gacaaagaaa gagcctctga aggttaaagt tagcactgta ctgggttcga aggcaccagc 120
 tcttagtgtg aagcttacac aagctctaag ttctaagtca gtggattcat ctgtaattaa 180
 taaccaggag cttaagtttg acgtgacag tgcaacgtac ttcttggtact cctttcccaa 240
 gaactttgac attggaaaat atacttttgt atttaagatt gtgctggatg aatcagcaca 300
 tgagaaagta tacataactg aagctcaaac aaaagtgcct atagctgcc aaggagctat 360
 tagcattgaa aatgcagaaa ttgctgtact tgacagtgc attggaagcg tt 412

<210> 9669
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-094-Q1-E1-C3
 <400> 9669

ctgttacgcc tgccctgtac cgnccagaa ttcccgggtc gaccacgcg tccgctcacc 60
 cactctctc ggaaaccaca gcgacggacg gacggacgga cgataaaaact tttgcctcta 120
 atttgctcct acaaactctg aatcagccgg agcgaatctc gaagcttatg atctcgactt 180

gctgaagagg ctgggaatgg ctggtaaaga ggagactgat gtatctgcac aagggtcttt 240
aaccagggag gccactgaga tatggaggag tgagttggaa tctcgccggg ttcaggtaga 300
tagtttagaa gctgaacttg tggatgtcaa ggcttacctt gagtttggct cagaagaaga 360
tgccagaaaag gagttaggag ttctttcggg tagggtcaga tcgactgcaa ctatgttgcg 420
ttatttgaga tnaaaagcta gagtcttggc cattcctgat gatctancaa atgtgtcatg 480

<210> 9670
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-094-Q1-E1-D1
<400> 9670

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cttgttctgt gttgtgtcct aaatagctta ctctgtaatg gaggcacac cagtagatat 120
gtcagaaaat tagaagcaac cgttgatatg cctcttgata gcgatgtttt tcgtgttcct 180
tgtggctaca atgctcctca acaggtgcat ataacacaag gagatgtaga aggaaaggca 240
gtgatagtat catgggtgac acaagaagca aaaggatcta acaaagtcac ttactggaaa 300
gagaatagca ccaaaaagca caaagtcac ggcaaaacca ataactacaa gttctacaat 360
tatacttctg gttttatcca tcattgccct atcagaaact taagaagtat gacaccaagt 420
actattaagt gttagggtg 439

<210> 9671
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-D12
<400> 9671

acatttacac acatcaatgg cgtctctgca actctgcgac ggttatcttc tcttcaagcc 60
ctctgtttct cctcgattcc tctctcaacg catttctcat cgcctannnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntcagtcg 180

gcgggagctt ctgtaccaat cggcagctgt atcactctcg ctttcttcca ttgttgacc 240
 agcgagagct gatgaacagt tatccgaatg ggaaagagtg tttctccaa togatcccg 300
 tgttgttctt ctgcacattg ctttcgtccc cgacgaacct agccgagggg ttttacttgg 360
 aacgagacag actttgttag gagactaaag atggtgggaa gcacttggaa tcc 413

<210> 9672
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-E1

<400> 9672

ctcgaaccat cgagtctcga acccagagag gactttctc agtgagtcct cgttcctta 60
 gcttctcttc cagatccaaa ctctcacaa actttctcac aacacacaca caattcgatt 120
 cgatccacac tcttaaaatc ccaaagatct ctctgatttt gaaattcgat tcttcccag 180
 atcaacttgt gaatttttcc acaattttgg ttcattgattt tgatttcgtg aaggacttat 240
 ggattcacac ccttccttaa tgggaaggtc cattaccaat tcgaaccgat cgagcttaag 300
 atcttggtcg tcttctctcg tcttctcat cttctcttc accgttaacc aaatcgatct 360
 ccgatgcaag taagtcaaag tctctctcg atccttaaca atccacacgg gaggtaagtc 420
 tgggtg 426

<210> 9673
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-094-Q1-E1-E12

<400> 9673

acgcgtccgc tttgattcnc gttccaataa tacttctcc ancatctcnc ctctctcgt 60
 gtagatctaa gaaacagaga aaacaagaga gatagaatgn gaangggagt tctaaatcct 120
 gacaggagat cgtcagatag tggcanatga nttgcaggaa actgggttta gtccagaaag 180
 agagaaagtc aagaacaaga attttgaaga atgatgaacn aggaagaaga tgaatnngtg 240
 gagaacatat ttganagtaa anaagtacct tcttgnnaga agcagttgac tgtgagggct 300

tttgtggtga gctttatgct aagcatcttg tttagtttca ttgttaggaa gcttaacctc 360
acaacgggaa tcatcccttc gcncaatgtc ncngctggtc ttttgggttt cttctttt 417

<210> 9674
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-E2

<400> 9674

ttacgcctgc ntgtaccggn ccggaattcc cgggtcgacc cacgcgtccg cccacgcgtc 60
cgcttttgtg caagctgcgt ggactcgaag atcacgaggt gaagcagcga aaagacccaa 120
caggaagtca tggaaacaga gaacggacat gtacatgagg cctttccttc tgaatgtgtt 180
cttctccagg aaattcatac acgctaaagt gatgcatagg ccaacaagca aagtcatttc 240
agttgccacc acaaattgcta gagatataag gactaatata cegtctcttg ttgataacga 300
agcgtgtaga ctcatcggtg agtcatagc tgagcgttca atggaagcag acgtctatgc 360
tgtctcttat gagccaagaa agggagaaaag aattgaaggg aagctaggga ttgtaatcng 420
atactattaa aggaacatgg cattaatttt gttcccttga ttcaatctcc tccttanaat 480
aaaa 484

<210> 9675
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-094-Q1-E1-E4

<400> 9675

aaaggggtgcc tctatcacgc cgagtgaatc caaatttaag aagttgatag atgaatgcaa 60
ttttctaatac .acagaagaag agaaagattt ggttcaaccg gtgccttcga ctttgccttc 120
aagtggtgaca gcaccaccag tatctgaact tgatgtcacc cctacagcca agtacaggca 180
cgagtactac caaaagccag aggaagttgt ggtaactgtt ttgcaaaaag gaatacccaa 240
gcagaatggt aacatcgact ttggtgaaca aattctgagt gttgtgattg aggttccctgg 300

agaggatgcg tattatctcc aaccgagatt gtttgaaaag ataataccaa gataagtgca 360
aatatgaagt attgtcgacc aaaattgaga tctggtcttg caaaagccga tataatcaca 420
tgggcctc 428

<210> 9676
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-094-Q1-E1-A11
<400> 9676

gtttcaatct ttttgcaatg aattgccag ccatgannnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncacaattg agtaacgatt 120
caciaagatc tggtgttatg cactgcacaa gattaccctt tgaagcattt gctgctactt 180
catcaaaccg gcttcttggg aaacattcat tgcctttgag agcagctttg gttacttcga 240
accctttaaa catttcatct tcctcagtta tctctgatgc catttcatct tcctctgtta 300
tcaatgatga tgccaaaatt ggtgtcttgt tattaaacct tggaggctct gagactttag 360
atgatgtaca accctttttg gtttaacctc ctcgccgacc ggacantata cggg 414

<210> 9677
<211> 500
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-E1
<400> 9677

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gccccggtcgn ncacgcgtcc gccacgcgt ccgccacgc gtccgctttt tgtttttggc 120
atacangaaa agaaaatggc gtctcatgct gttacaagcg gacaaaaacc acacntagtt 180
tgcatacctt tcccggctca aggccacatc aatccgatgc tcaaagtggg taaactcctc 240
tatgccagag gtttccatgt taccttcgtc aacactaact acaaccataa ccgtctcatc 300
cggtcacgtg gtcccaactc ccttgatggg cttccttcgt ttcggttcga gtccatccct 360

gacgggtctac cngaggaaaa caaggacgtc atgcangatg tccctancct ttgtgagtc 420
 accatgaaaa actgtcnanc tcctttcaaa gggagcntct ccgggggggat tnncaacaca 480
 aaggatgttc ctcccgggtan 500

<210> 9678
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-E10
 <400> 9678

taccggtcca naatcccggg nccaccacg cgtccgaaga aaaacaaaaa tggcggttct 60
 ttgctcgtct tcgacgggtga tactctcttc ttcttccgtg aaatcctccg gaagtgagag 120
 aaagtctccg tttttagggg tctctttaac ggctatctcg aagccgtcgg tacgagtcgg 180
 catttatgcg aattcgaaaa gaggattgca agtgaagtgt gaagctgagc cgacgacgac 240
 gacttctctt gtccggcgga atcaacgatg gatgttcgac gaagaagaag ctaatggnc 300
 tgacatctgg aacacgacat ggtatccaaa agcttcagac catgtgaaca cggacaagnc 360
 ctggtttgtg ggtgatgcaa ctgacaaaat tcttggnaga ttggcatcga caatttgca 420
 aatcacatcc ntgggggaaan aatcctggcc ccg 453

<210> 9679
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-E5
 <400> 9679

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 cggaagctcg ggtgatcaaa gcagcagcaa aggagtggct actcatggtg gtagctatgt 120
 tcagtataat gtctatggca atctcttcga agtttctaga aagtatgttc ctctcttcg 180
 tcctatcggg agaggcgctt atggaattgt ctgtgctgct acaaactcag agactggana 240
 ggaggtagct atcaagaaga ttggtaatgc ttttgacaat attatcgatg ctaaaaggac 300

tttgagagag attaagcttc tcaagcatat ggatcatgaa aatgtgattg ctgtaaagga 360
 tataataaaa ccaccgcaga gagagaactt caatgatggt tacattgttt atgagcttat 420
 ggacactgat ctccacc 437

<210> 9680
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-092-Q1-E1-E7
 <400> 9680

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 catcctctct tctatgtccc aaaacaggaa cataactact actactacca tgtcttgact 120
 ctgttgagaa tcttaaattcc tacctaact ccaatgggta agaagagcgg ttcttcttct 180
 tcttggtctca ctgccgtgaa acgagctttc cgatctccca ccaagaaaga acacaacaac 240
 aatgctcatg gtaatgaagt cgacgaagat gaagacaaga agaaagagaa gagacgttgg 300
 ttatttagaa aatctacgaa tcatgactct ccggtgaaga cctccggcgt cggaaaagac 360
 gctccggcgc agaaatccac agaaacaacg acgatcatca acccaaccgt ttatcctct 420
 g 421

<210> 9681
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-E9
 <400> 9681

acgcgtccgc ggacgcgtgg ggccagtga agtacctgaa cctaccgtgg ntgaaactat 60
 tcagatcctt aagggtctgc gagagcgata tgaaattcac cacaagcttc gttacacaga 120
 cgaatcttta gtagcagctg cacagttgtc ataccagtat ataagtgatc gtttccttcc 180
 tgacaaggca attgacttga ttgatgaagc tggttctcgg gttcgacttc gtcatgcaca 240
 ggtccctgag gaagctaggg agcttganaa ggagcttagg cagataacaa aggagaagaa 300
 tgaagctgtc cgtggccagg actttgataa ggctgggaca cttcgggata ganaaattga 360

actcanagct gangtatctg cantccaagc cnaaangcaa aggagatnag caaagcac 418

<210> 9682
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-F10

<400> 9682

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atgacgacaa tggcgacaca aggcgcttgg ctacgaatga cctcatcagc caagtccatg 120
accaagtcaa ccgtgacttc aaaaagagct tggnttcntc acctccnagc tcagctgctt 180
aanaatctca nnttcnccca ntatnttcat caaacgtatc tcccttcctt cgttccccgg 240
gattcagcca atcgtcgcac gtagaatctg cccttttact gggaagaaag caaacagagc 300
aaacaaagtt tcattctcta accacaagac caagaagttg caattcgtca acttacaata 360
caagagagtt tgggtgggaan ctgggcaaac gttttgtcaa acttcgttta tcaactaagg 420
ntttgaagac cattgagaaa gaagggactc nacgctngtt gccnaagaaa gncgggaatn 480
gnntnttcgc caaagaaata gctatggatg atncgc 516

<210> 9683
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-F12

<400> 9683

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agcactgcta ctaactggtg attttttcct cggagcagtg gttgcttgca cgttgaccaa 120
acttgttctt aggttagaag aggttcagtc ttctaaaact gaagtaaata agacagtcac 180
acaggctttg ttgatcatgg tttctatggt gcaacttggg caatctcctg tttctccaca 240
ccctattgat aatgattcgt atgagaggat tgtgttgtgc ataaaattgc tttgccatag 300
gaatgatgag atgaaaaaga tatgggttaga atcctgccgc caaagttttg tcaagatgat 360

ttctgaaaaa cagcttanag agatngagga actgaaaggc gaagacccca aaacaacgca 420
atgccccaaac ctggatgatn caaaattgga cttcttccaa nctaaaa 467

<210> 9684
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-F4

<400> 9684

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agatatccgt gtgggattca tcgacgggaa tcgaaaccag ccaattcctt ggtggaattt 120
gcttcgacgt gtcagagatt ccgctccgag acccgccgga tagtccatta gcgccgcaat 180
ggtaccgtct cgaaggtggg ggagctcaca acagtgatct aatgcttgcc acgtggacag 240
gaactcaagc agacgantca ttccccgacg cgtggaaaac tgatacagcc ggaaacgtga 300
ccgcacgagc gaagggtttac atgtcgtcga agctgtggta tctacgcgct accgtgatag 360
aagcacaaga cttgttaccg cctcagttaa cggcggttaa ngaagcgtca tttcagttaa 420
gaagctcagt tnggttccca aagttcaaaa aan 453

<210> 9685
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-G1

<400> 9685

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tccactaaga aaacaaaata gattaaaaag gggtttctca aagtttctca tcatatccat 120
taaagtagcc tcctttttgc tttctccgtc tctctctctt ttgtccaatc aaaaagagtt 180
tgtgattctt ctttatcgtc tccttggaaga gatatgaatg gcgatgagct tcctttcgag 240
agtggtttcg aggtttacgc taagggaact cataagtcag agtttgactc gaatttgctt 300
gatcctcggt ctgatcctat ttgggatgct ataagaagaa gaagctaaac ttgaggcaga 360

gaaagagcct attttgagta gcttcntgta tgctgggtatc ttagcacatg attgtttaga 420
gcaagcttt 429

<210> 9686
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-G10

<400> 9686

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tcatctcggc gactgtccgt tcagccaacg ggctcttctc acactcgagg agaagagtct 180
tacctacaaa atccanctga ttaacctcnc aganaanccc cantgggttct tggacattag 240
tcctcaaggg aaagtaccag tgcttaagat cgacgacaag tgggtgactg attccgacgt 300
catcggtggg tataactcgag gagaagtatc ctgatccaac actcnttttt ccggctgaaa 360
ttgcctcngg ttgggattca acaatttttg gnaccttttg ggaaaatcct tgaagng 417

<210> 9687
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-G3

<400> 9687

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tcagatagag atagagagac agaggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncccgtn cgttctcttc 180
tccaccgtct ccttccttca cgcgccgccc tgcatactaa tgtctctttc tacgaaggca 240
cagtctggca cgaccgtctc cgtcctgtcc gccactcttt ccgttattcc gttegttacg 300
cactctttga cctcgacaaa gctattaaca caccgccgga tcatttctcc gccgacgaag 360
ctcgccgtgt ttctcgtacc accgggcca ttttctatt gacaatacca ccaagcgttg 420

gatangaaca aaaccattg agttatacta ntgcnatgac ttggaagggt caagtaagcg 480
 cttaagtaaa tgcattgc 498

<210> 9688
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-G6

<400> 9688

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 ctgtaattta gattgggtctc aagaatttcg actcgtgagt gttgagttcg gttgagtcaa 120
 tcttagttcg tataaattca tatttctaag tgtttgtgtc tcaactgaaa ttccttagag 180
 aagccaagag tgatctgttc gctccatcgc cttagagaag ccaagagtga tctgttcgct 240
 ccatcgttca cttttgtctt taagcgtatg ttgctagacc agacataaca gcatggggac 300
 acttccaaac cacaaattat ggatatttag gccaaccatg gcatccgttt caattaagga 360
 aacattanga ggcaacagca agctgacatg ggtgatttcg tggetggaca ggggcaatga 420
 caattgacaa agacatgt 438

<210> 9689
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-092-Q1-E1-G8

<400> 9689

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 gactgggaaa tcgaaggaga taaagtcaac atgcaagaag gttccggatt aagatttttc 120
 ttggatttgg ctcatcccct taagtgcact cctattcctc gaatcataaa tcatgaacct 180
 tctaatacgc agattccaaa ttcgtgagtt caagacttca ctttaatttac aaatatataa 240
 ctgtgaagggt tcaaggatcg ttattacacc cctatgggtat atacattatt ttgcatctcg 300
 ttgatgttgt tgaatgcact ttcctaaac tggtgtattt cattatgttc atattattgt 360

taagttatatt atgtaaatcg catagatatt tgggtgaatt ggtgtactat catatatagt 420
aaatatt 426

<210> 9690
<211> 523
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-H12
<400> 9690

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ctttgttcat ctctctatct tcttctccat cctcttcatc actctcccat cttcttacag 120
ctgcaccgaa aatgacaaga atgcctcct tcaaataag aaagcacttg gcaatcctcc 180
ccttctatcc tcttggaacc cccgaaccga ctgttgtagc ggctggaccg gcgtcgaatg 240
cactaacggt cgcgttaccg gtctcagcgt tacctccggc gaagtctccg gtcagatctc 300
gtaccagatc ggcgacctcg ttgacctccg tacactagat ttcagctacc tgnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnacttt 420
gaagcacact aatcctcctc cgggtcccga attcctggat tacnatcaag cgaagctcaa 480
agaagcctca aggttcttgg gacctttctt ttaaccaaatt tta 523

<210> 9691
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-D9
<400> 9691

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ntggcangag ttcaactatt gttatgcttc accattcnat tngcatctgt gacccttctt 120
gacctattat cagcncacct gaaatttaag ccatctttgc ctcaaataag agatccaaag 180
acggtgaagg atgtagagcc ttacaccggt aaagtagtaa tggctcttctt ggccgacctc 240
ganaaggaat gtcccatnga caaacaagtt caaggccttc tttgaagaaa cttanaggat 300

tcnccaagta tgtttgccca acanngaang attggccaat tagattacna ccgggacntg 360
 anggcanaagc cgggggtatc ttcaaggcna tatctncttt tgcgantggc ncgattaggg 420
 gaggaaat 428

<210> 9692
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-A4
 <400> 9692

gnacgttagc ctgccgtact tgtccancct cccgggtcga aacacgcgtc cgctcttaca 60
 aggagcgaaa gagaaacact ttccgacttg ggtaaggaaa aagagtttga tgggttggtg 120
 tcaatccttg ttttcggcg ataaccact tgggaaagat ggagttcagc cgcaaccact 180
 atctcaaaac aatcacggcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn natcccatct ttctctgagt tctctttcgc 300
 tgaccttaaa gcagctacaa acaactttag ctgagacaac atcgtatcag aaagtgggtga 360
 gaaagcccca aatcttgtct acaaaggccg acttcagaac cgtcgttgga tcgctgtcaa 420
 gaagtttact aagatggctt ggctgagcc taaacaattt gcggaagaag catgggggtgt 480
 ggggaaattg aggc 494

<210> 9693
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-A5
 <400> 9693

aaaaatcccg ggtcnacca cgcgtccggn cacgcgtccg ccgtcttcat cttcttctc 60
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 gtcttagtgc tatacgagac agcggcgggg tttgccctct ttaaagttaa agatgaagga 180
 aagatggcta acgtcgagga tttgtgtaaa gagttcgaca ctccagactc agcacgaaag 240

atggttaagc taaaagcttt tgagaagttt gacaatacat ctgaagctct cgaagctgtg 300
gctaaattgc tggagggagc tccaagcaaa aggtctgcgc aagtttttga aagctaattg 360
tcaaggggtga aaacccttgg gctgtggctg attcaaagct tggggaatgt tatcaangn 420
gaaaactgaa aattgattgg attcaan 447

<210> 9694
<211> 386
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-B6
<400> 9694

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnctctgc tctctctcaa 120
gctctcctag ctctgtcaat ctctcancat gggtctgacc aacgtggatc tttancagct 180
ttctctggac tcaaactnac cggttcacgc gcctcagett cgtctcgtcg acgtatcgct 240
caatccatga ccaaaaaccg atctctccgt cctcttggtc gcgctgcaag ctgttgagac 300
tgttgagcta accanngatt cgtcgattgt ggacaaatcg gtcanntcga ttaggttttt 360
ggctatcgga tngcgggtgga gaaggc 386

<210> 9695
<211> 458
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-B9
<400> 9695

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ggcggattga atcggcaagg agatcggaac ccagatgggtg gagagaagaa ggagaagaag 120
ttcgaaccag ccgcaccacc tgctcgtgta gggaggaagc aacggaagca gaaaggacct 180
gaagcggcgg cgagattgcc gacggtgact ccttctacta aatgtaagct tcgattgctg 240
aaattggagc gaatcaagga ctatttgctt atggaggaag agttcgtagc gaatcaggag 300

agattgaaac ctcaggaaga gaaagctgag gaagatagat ctaaagttga tgatcttcgt 360
 ggtacaccta tgagtgttgg caatcttgaa gagcttattg atgagaatca cgccattgtt 420
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<210> 9696
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-C1

<400> 9696

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 gggcaacagt ttgactggta gtatacctga gacgatagga aattgcactg ccttccaggt 120
 tttggacttg tctacaatc agctaactgg tgagatccct tttgacatcg gcttcttgca 180
 agttgcaaca ttatcattgc aaggcaatca actctctggg aagattccat cagtgattgg 240
 tctcatgcaa gcccttgagc tcttagatct aagtggcaac ttgttgagtg gatctattcc 300
 tccgattctc ggaaatctta ctttcaccga gaaattgtat ttgcacagta acaagctgac 360
 tggttcaatt ccacctgagc ttggaaacat gtcaaaaactc cattacctgg aactcaatga 420
 taatcatctc acgggtcata taccaccaga gcttgggaaa gcttactgac tgtttgatct 480
 gaatgtggcc a 491

<210> 9697
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-C4

<400> 9697

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 ccttcgccgg agaagaagct ctcgttctct ctatcgtcgg agaagctctc gttctctgct 120
 tccctgctct gtacagatct cgagccgcat ttcgtggatc tgtcaaaatc gcgttaaaac 180
 ctactcgctt ctctctaacc ctaggggtttt tgaatttttt tcgggacgag ggagaaatca 240

atgtctgtga agctttgagg aagctatatg gttacacctt tggttctggt tagtcttcgt 300
 tttgatcggc ggagagtgtt cgccgaggct tgggtgtctcc gttattgact aatgggtgggt 360
 tttgatttga gataagagat gcggaacttt gcgatgcttc tgctgttaat tcttcttctt 420
 cactctctcg cctcgtttcc tatatgcttt gctcggttat ttccgatgag tttgccattt 480
 acccgatnaa ag 492

<210> 9698
 <211> 77
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-C8
 <400> 9698

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 nnnnnnnnnn nnnnnngg 77

<210> 9699
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-D1
 <400> 9699

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 cgtaatcatt ttctcttggt gttcctgatc gcgtagctca agcganaaaa atggcgctcg 120
 ttgatgaanc accaccagga aacgccaagg ccggtgagaa gatcttcang accaagtgtg 180
 ctcagtgtca caccgtcgaa gcangcgccg gtcacaaaca aggaccaat ctaaacggtc 240
 tatttggaag acaatctggt acaactgctg gttactctta ctctgctgct aacaagaaca 300
 aagctgtgga atgggaagag aaggcttgta cgattacttg ctcaacccca aagaagtaca 360
 taccaggtan caagatggtg ttccctgngc taaaagaaac cgcaagaccg tgctgatctc 420
 aaccgcctac ttgaaagaat ctactgcgcc cttaaagtnaa tctgaatggg gggattgatt 480
 ccgagttggt aagtcn 496

<210> 9700
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-D11

<400> 9700

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 gacgtcgctg tcttctagct tctgattaag tctgataaat tatgccccta aatctgtaat 120
 tctccaagga ttccgattcg atcgatgaaa gcttctcaaa ttttggcggc tgcagcggcg 180
 aggggttgac cggcgtaag gaagcaagta ttaaccttaa cggacgaagc tgcttctagg 240
 gttcatcatc tcttgcaaca gcgtcaaaaa ccttttctcc gattaggcgt taaggctcgt 300
 ggctgcaacg gcttgctgta cactctcaat tacgccgatg agaaaggtaa atttgacgag 360
 ttggtagaag agaaagggtg gaggatcctt gttgaaccaa aggccttaat gcatgtgatt 420
 ggaacaaaga tggattttgt agatgataaa ctcagatnag agtttgtgtt aacaatccta 480
 act 483

<210> 9701
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-D4

<400> 9701

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 ctgtatcgaa gatccgacat taaggcgaaa tggattact atttctcct tgcttttgtt 180
 gatgtggagg ccaattttct cgtggtgaag gcttaccaat acacttcatt gacaagtgtc 240
 atgctactgg attgctgggc gatcccttgc gttttggtct tgacttggtt ttaccttaag 300
 aaaaaatata gattgatgaa gatcagtggg tgtttttatc tgtattgttg gtgtttttaa 360
 nggtagtctt ctcaagacgt ccatgcaggg gatcgagctg ggaggaagta atcctgttaa 420

aggagattt

429

<210> 9702
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-D5

<400> 9702

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gcctatgaaa cgcttgctgg agtgatttca ttagcacctt cagagtttga tccatctttg 180
atccagtcgg tgaagacggg tatectgaag ctttctgaca gtatccaaaa atatgatgat 240
gggacatttt attttgatga gaagtctgtt gatgcaagtc aaggcccgat ctcaacaact 300
gcatcagtta ttagaggggt cacgtcattt gcagcttcag aatccacagg attgaacctt 360
ccaggtgata agataattgg ccggggccaa attctttcnn ggggtgttga attcctggtg 420
atcccaagga cttcttcaac c 441

<210> 9703
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-D7

<400> 9703

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cgtgcaattc ttcagtttcc gtttctctcc tgagaaattt attgacttca aaaaccctaa 120
aaagacttgt gattgttcgt ttctctaact cgaatgttga tcgtacgacg gtgagtgatc 180
gtagtacaat gacgaagaaa tcacagccgc agattccgcc tccattgtcc cgtcgcggcg 240
gcgtcgtgtg gctgggatgg aaactcgtaa tcgctttctc cgtcgcgctt tgccttcttg 300
ctcttcttcg aatccaacta cagtacaatt ccttcacgac attgtcgttt ccactctccg 360
tcgcgagatc tcagacaccg cttcacaaat actccggtga tcgtcccaag ctcgctttcc 420

ttttcttagc tcgccgtgat ctccacttga ttttatgtgg gatagattct tcaagggagt 480
 ggatcatggc 490

<210> 9704
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-D8

<400> 9704

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 cattcgtctc tacgtgaagc gtgtgtttat ctctgacgat tttgatggag agcttttccc 180
 gagatatctg agctttgtga agggagtgtt ggactctgat gatcttctc ttaatgtttc 240
 tcgtgaaatt ctccaagaaa gcagaattgt aagaatcatg agaaagaggc tcattagaaa 300
 aacctttgac atgatacaag aaatctctga gagtgaaaac anngaggatt acaagaaatt 360
 ctggggagaac tttggtagat tccttaaatt gggttgtatt gaagacaccg gtaaccacaa 420
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 gg 482

<210> 9705
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-A2

<400> 9705

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 caaggcgga cattgacagt tacatggagc tacttgagag aatcaatgaa cacttatttg 120
 tctcagccaa atcccgttac agcgcgttgg gaaggtgaag atcatctaag agatcctaaa 180
 ttccaactag atgctttccg gtatcgaaca tcgcgattgc tacaaaatgt ggcagcgaga 240
 ttgcagaagc attcaaagac tcttggtggt ttcggggcat ggaacagatg cttgaatcat 300

cttttaacgc ttgcagaatc tcacattgaa acagtcattc ttgccaaagtt catcgaagct 360
 gttaaaaact gcccggaacc aagtgcacaaa gctgctctga aactagcatg tgatctttac 420
 gcattggacc gaatctggaa agatatagga acgtaccgta acgtggatta tgtgggcgcct 480
 aacaaagcta ag 492

<210> 9706
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-G5
 <400> 9706

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 tagccaaaca cggttgcaag ttggtaatga tgggaaatga gggttcccta aggagcattg 180
 tanacaagat tagagattcc attgagggag ccttccctgc cgatgttata gcactcgaca 240
 tggaatctga ctctgaagtt gcttttcatg ccgctgtcca aaaggcatgg gaactttccg 300
 gccatttcga tgcttttctc aactcttata cctaccaagg aaaggtgcag gacattcttc 360
 aagtctctca agatgagttc cacangaatc acaaagatna atctcaccgc tccatggttt 420
 ctcttgaang ctgtaaccac aangatgaag gacca 455

<210> 9707
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-G6
 <400> 9707

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 aggcgattaa gattggttac aggcataatcg actgtgcttc gatttacgga aacgagaaag 180
 agattgggtg tgtgttgaag aagctgatag gtgatggttt tgtgaagcgt gaggagttat 240

ttatcacttc caaactctgg agcaatgac atttacctga agatgtgcct aaggcactgg 300
 aaaaaacgtt acaggactta cagattgact atgttgattt atatctgata cattggcctg 360
 cgagcttgaa gaaggaatca ctaatgccaa cacctgagat gctcacaaaa cctgatataa 420
 ctancacatg ggaaagcaat gggaaccccn ctatga 456

<210> 9708
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-091-Q1-E1-G7
 <400> 9708

acgcgtccgc tctcttatgt ctacttccca gaaaaatttc tgcttttgaa attcaagatg 60
 tactcgtcgt cgctctcttc ttctattttt cttcaatttc caccggcgag aataaccacc 120
 gcgtctccat ttatactcgg ccgtagcagg aagcgaggag ctcgttttta acgacagagt 180
 cggaatttag ttcttgatga ttcgtcaatt ttccctccgc ctttcgatgg cagcgttcct 240
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 tcgtcgaggt tttttggaaa gtctttggag aagattagtg ataaaatcgt tgatgatggt 360
 gttgttgggg aatggattct tttcaccact ccgacgccgt ttaacagatt tgttcttctt 420
 cgttgttctt tgctctccct tgatgaagaa ccc 453

<210> 9709
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H1
 <400> 9709

cgaatgtacc ctgcccgtan tgtccgnacc tcccgggten aaacacgcgt cngcnttgat 60
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 taagctgaag taanaggaag tgatgttttc tcttatgtct ggactatgga gttacatggt 180
 tagcaagact gagtttaatg tgcttattct tggatatgac aaagctggga agacgacatt 240
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tctactgtg gggcttaata ttgncgcat tgaagtctcc aatgctaaaa ttgtgttctg 360
 ggatctgggg aggtcagcct ggtttgcggn ctatttggga gaaatactat gaagaagcac 420
 acgcgttgat atatttgatt gatgcagctt gcccaacccg ctttgaagat tctaaaatcc 480
 tgcnttagaa aaaagccctg ccngcat 507

<210> 9710
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H10
 <400> 9710

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt cggcggatat 180
 ggaagtagaa agggaaatatt caccggcgga gaaagtggaa gaggcggagg agatagggtg 240
 caagtgatg ggtcctctta aaccttcgga gagacttttc aaaccctatg aaccagtgtt 300
 tgccattggt cagattgggt cgcacagtt taaagtttagc aatggggact ccattttcac 360
 cgagaagttt aaattctgtg acatcaatga taagttgggn ctaaacaaag gtcctccatt 420
 gggcctccgg gaagccagac gaattattgg gaaggcctaa ttttgccaan agtgccaaca 480
 gttcantgcc ggt 493

<210> 9711
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H11
 <400> 9711

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 cagttcttgg tgctctgaac aatatagtaa tggatttttc atcaccgaag tcattcattta 180

tcgagtatgg agggataaaa cagcttactg agttgtcaaa atcaatggat ccaaatactc 240
 ggtgtagcgc tttgcgggct ttaaggaacc tcatgttcct tgccgacatt aaacgtaaag 300
 aactctttta ttcagacggt aaggctcaag gacttgcttg tctcattagt gatcctgagc 360
 cccagtgca agagcaagct ttggccctcc tccgtaatct tgttgatgga tgtatcagct 420
 ctatcgagtt tgtatttgat gaaagatggn cctatcctan ataacggttg ggaagcaatt 480
 gaaggaaac 489

<210> 9712
 <211> 536
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H2
 <400> 9712

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 gaaaatgcaa gatttcnntg gtgaataaat aagcttaaaa caaaagcaga ggctattaac 180
 tttgagaaac aagcaaaaag tttcttctga tcctgagtta agttttgccc aattatcctc 240
 atgtggtaga agagaagcaa ttattggttt tggtttctct attggcttgc ttgataatgt 300
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<210> 9713
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H3
 <400> 9713

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aacaagcata aatccatata tcacaagaag atcaaacaaa ccctacaatt caagaagacc 120
atcatccatg gctgctgcga ttagagctga gtctactgag aaattaggga ttacaattga 180
aaagaatcct cctgagtcca aactaaccga actcgggtgtt cgtagttggc ccaagtgggg 240
ttgtcctcca agcaagtttc catggactta cagtgcaaag gagacttggt atttactaca 300
aggaaaagtg aaagtgtacc ctaatggatc cgatgaaggc gtagagatcg aagcaggcga 360
ctttgttggt ttccctaaag gaatgagttg cacttgggat gtccctgtt gctgttgata 420
aacattacca attcnagtga atggctggca acaaacctct ggcncacctt 470

<210> 9714
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-H5

<400> 9714

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caccttctct cgtctcggag aatggttggt ggatcggaag agaattccgg cggattggag 180
gaagagggtt gctgtgatca gagtcaaaat cttaaaagag ttctcttctt tgcctaaaga 240
gatcgatcca ttctttcaaa ccctagatcc tgaagtgatc ggttacttgg aggtcaaaaa 300
ggtgtatgag attctcctga agacaactcc ggaaagccgc aacatctttg gncgactttc 360
gggtgcttct ggtgtttgng gaaagcaatt gttccgtgcy tttgaaaaag atcacattta 420
tcttggggga agcan 435

<210> 9715
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-H6

<400> 9715

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 agtggagtgg cttcattcta tcaaagctga ttttgtggtg tctgatgttg tccctgtcgc 180
 atgccgtgct gcggctgatg ctgggatacg ttctgtttgt gtcaccaatt tcagctggga 240
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 gatagctgaa gattattctc attgctgagt cctaattcgc ctcccaggat attgtccaat 360
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 gcaaggnggt g 431

<210> 9716
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-091-Q1-E1-H9

<400> 9716

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 agagaagtgt atgtttttgc cactcgtttt gttactttct tttgatattt tgttttaggt 120
 gttcacataa atttgatagt gtaaagaaaa caaaaccact ttctagtctt taaagaaact 180
 agaaatccat ggaccctgtc cgtcactctc atgtgatgct cgtatctttc cccggccaag 240
 gtcacgtaaa ccctctactt cgtctcggaa agctcatagc ctctaaaggc ttactcgtca 300
 cctttgtcac cacagagaag ccatggggca agaagatgcg tcaagccaac aagattcaag 360
 acggtgtgct caaacgggc ggtctaggtt tcatccggtt tgagttctct ctgacgggtt 420
 cgccgacgac gatgaaaaaa agattccgac ttcatgcct ttccgaccan accttngaag 480
 ccgtccggaa aaaaa 495

<210> 9717
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-092-Q1-E1-A1

<400> 9717

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gttataacca tcacaattcc agactaccat cttcattatc atcgccattg cttgatttga 120
gantgttcta ngtcanaatc agtaatttca angtggtatc ttgcacacct gaggtttctca 180
ccattactca ttttcctttg gatccagatt cacttctgga gattaatggg gttagaatga 240
ncatgtactc tgaaggagtt tcttctcanc ttangcgtga tctgtgtgat aagaaatctg 300
aangttgcta cttttatcag cacggataat atcacgttat ctgggtantgt gaaagtttga 360
cgtttatnat aaagatgagc ctgggttttg tccnggaacg cctgagaagt cctggtaata 420
atgggttcaa cnggtggaat cnaagccata gcgttaaagc ggtggaacat gaat 474

<210> 9718
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-092-Q1-E1-A10
<400> 9718

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agtttgatgg gttgttgtca atccttggtt tccggcgata acccacttgg gaaagatgga 120
gttcagccgc aaccactatc tcaaaacaat cacggcnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnat cccatctttc 240
tctgagttct ctttcgctga ccttaaagca gctacaaaca acttttagctc agacaacatc 300
gtatcagaaa gtggtgagaa agccccaaat cttgtctaca aaggccgact tcagaaccgt 360
cgttggatcg ctgtcaagaa gtttactaag atggcttggc ctgagcctaa acaatttgcg 420
gaagaagcat gggggtgttg gggaaaaatn 449

<210> 9719
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-091-Q1-E1-G4
<400> 9719

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 cttccatttc tccctctcgt gacaaacgca atttntnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnntttga gattactttg tatcgattta gctattcgag aaactcttgc 180
 cgtttgaaag ttttaattgt taaagatgtc gagttctatg gaatgttctg agttcgtcgg 240
 tagccggaga tttactggga agaagcctag cttctcacag acgtgtagtc gattgagtca 300
 gtatctaaaa gagaacggta gctttggaga tctgagctta ggaatggcat gcaagcctga 360
 tgtcaatgga acttttaggca actcacgtca gccgacaaca accatgagtt tattcccttg 420
 tgaagcttct aacaatgggt tccaatgggt caaagatggt aaaccgacgn aat 473

<210> 9720
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-D4

 <400> 9720

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 gtgggaggac gcgtggggcc aagcnaaaaa tctcatagat cagagtcgtc gtcgtcaact 120
 tcatcatcac aaaaatctca gctttgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnctt cccgttactc ttgacaccat caaccccaag gttatcaaat gtgagtatgc 300
 tgtccgtgga gaaattgtca acattgctca gaaattgcaa gaagatttga agactaanaa 360
 ggacgcttat ccctttgatg agattatcta gtgtaatatc gggaatcctc aatctcttgg 420
 tcaanaagcc tanaacattc cttcaagana agttcctgcn ttatgtncct acacagcccc 480
 tggttgg 487

<210> 9721
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-D7

<400> 9721

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agcaaacttc aaaaggtaac atgataaaaa ggtttgctgc ttgggtttga cttcattact 120

tgctctccct ggggggtcaat tccccgatga agcgtcgcag cgtgttttca gggcaacact 180

tgatcttcta gttgcatata agaatcagct agctgaagca gctaaggaga cannnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca caaagtgtta aactgcagaa 360

gtagctgca caggcaaagg ccttccactn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn ngtttcagtc acccatcgat gaggtggatg cttttgtatt 480

ctttgtcgat gcaatc 496

<210> 9722

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-090-Q1-E1-D8

<400> 9722

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tggaagctga agatgcatac agaagagctt tatcaatagc accagacaac aacaaaatgt 120

gtaaccttgg tatctgcctt atgaagcaag gaaggatcga tgaggccaaa gagactttac 180

gacgtgtgaa acccgcggtt gttgatggcc ctagaggcgt ggnttcacat ctaaaagctt 240

acganagagc gcaacagatg ctgaatgac ttggatctga gatgatgaga agaggangag 300

atgataangt tgaacagana angctctttg atgcaatctt tggatcttcc tctanatggc 360

annctcagcc ttgtagttag canactgtga aggctaaanc aaagcctggt ttaagcaatg 420

gtgatggata cngtgatgaa aacgtg 446

<210> 9723

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-D9

<400> 9723

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gacatcacia gtctcttcct tccagtctct tgccggatca tacaagcaac cattcattct 120
atcctcccag gattcttcag ctgttggtgtt accggattcc acaaactcac cgctgtttca 180
tgatgtgtgg gacactcagt tgaacggtct caagtttgac cagttcagtc ccttgatgca 240
gcaggacctt tatgctagtc agaatatctg tatgagtaat agcacaacca agtaacattc 300
taagatcttc cactctcaaa cacagtcctt gatgacttct gtgccatcaa agacactgat 360
ttccaagaac caaccttctg gttgtttggg tgggaaacaa caacactagc ttttggtcca 420
aagatgtcca agtcgcaaga ttcacatcaa gctagctttg caagactcac aggccttctc 480
tcgccaaga ttttccanat aattc 505

<210> 9724
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-E1

<400> 9724

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gctctggtgg taggtctatg aaatcaaccc atatcgtgaa tggactgcaa catggtatct 120
tcgtcccagt gggattggga gcatttgatc atgtccaatc cgtcaaggac tgaagatgac 180
aagcaaaaca gctacctact gagtgggaaa ttgaaaaagg tgaaggaatt tgaatctata 240
gttccacatt tctcaggcct tgagagagtc agtagtgggc tctgcaacca gtttctgggc 300
acactgctgt atcgaaaaag ctacacagtcg acctctatca actcatcacc tcccgaagcc 360
aaacgatgca agcttgcatc agaaagttcc cctggangat tcttgacgca acatagactt 420
tgtccagntg aaggctccca cagctctcaa ggtatccnt tgctcagct gaatcanttc 480
tttgtttaaa cctaggaaac cggncat 507

<210> 9725

<211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-E10

 <400> 9725

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 ttccttcctt ctccatcgct cgatatttta tctacgaaga cgaagatata ctccgactcg 120
 cgctcgcttg gttgctcttc gtcgctgtgc tttgctttct cttccgttca ccgttcttct 180
 tcgcgtcgca atcggaatca gctgcaagtt gtgtctatgg ctctgagga agaaaagctc 240
 actcgctgta atcctctcga tttcccaatt gagtgggaaa gacctaaacc tgggaggagg 300
 cctgacattt tccccagtt tagccctatg aagacaccat tgccaccacc gatgccttat 360
 gatcctccgg aagaggatga agaagaggaa gagaagaaag aagaaggaag aaagnaaacc 420
 caaggcaaag aaagaagagg aacaac 446

<210> 9726
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-E3

 <400> 9726

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 tctcttcgcg tactatgggt gcctctccgg ctccangccac tatggctcgt cctttcaacg 120
 gacttaagtc ctccgtgcc tttccagcca cccgcaaggc taacaacgac attacttcca 180
 tcacaagcaa cggngggaag agttaactgc atgcaggtgt ggcctccgat tggaaagaag 240
 aatttgagac tctctctac cttccctgac cttaccgatt cccgaattgg gcaanggaat 300
 ttactacctt atcccgaac aaagtggatt cccctggtgt tgaaattcca gttngganca 360
 acngantttg tgttaccgtn aagcaagggt nactcaacct ggntantaat gaatggaccg 420
 taactgggac aaatgttgga agcctcccc tggtccngtt gnaaccggac tcccgctcaa 480
 agtgtttgaa agggaagttg ggaaaagtgc aaagaaagg 519

<210> 9727
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-E5

<400> 9727

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cttgatgata tagaacgaag agaaatcttc actcgtgctg agatagctga gatcgtgaag 120
cagcggcgta agtttgagta cgggctcaag cgtccaagcc cactcaaaga agatttcata 180
gcctatattg actatgaggt taagctcgat gagctccgtc agctacggag gaaatcgggtg 240
gcgcgtgtga ctaagaagag aaagaagaaa tcagtatctg atttcgccgg tgtggctang 300
attgttgaga tttanagatt gggcgacgat gangtataaa aggtgatata aaattgtggg 360
ttaangtaac cccgaagttt tgtaacaaga agaagnattg gaagaatgga aaaaggaatt 420
ggct 424
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<210> 9728
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-E7

<400> 9728

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aaacccactt caaaaaccct ttcttttcat aatcttatca atcaatctca tctttcttca 120
agcagaaaca actactcaaa tctctaccaa gaagacttat gttatccaca tggataaatc 180
tgccatgcct ttaccttaca ctaatcacct acaatgggtac tcttcaaaga taaactctgt 240
aacgcaacat aaatctcaag aagaagaagg taataacaac aggatactct acacttacca 300
gactgctttc cacggtttag cagctcagct tactcaagaa gaagcagaga ggcttgagga 360
agaagatggg gttgtagctg tgatactga gacaagatac gagcttcaca ctacaagaag 420
tccaacgttt cttggggttag aaagacaaga aagtgagaga gtttgggctg agagagtcac 480
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cgaccatgat gtgg

494

<210> 9729
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-E9

<400> 9729

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accaagaaga cttatgttat ccacatggat aaatctgcc a tgcctttacc ttacactaat 180
cacctacaat ggtactcttc aaagataaac tctgtaacgc aacataaatc tcaagaagaa 240
gaaggtaata acaacaggat actctacact taccagactg ctttccacgg tttagcagct 300
cagcttactc aagaagaagc agagaggctt gaggaagaag atggtgttgt agctgtgata 360
cctgagacaa gatacgagct tcacactaca agaagtccaa cgtttcttgg gttaagaaag 420
acaagaaagt gagagagttt gggctgagaa gatcaccgac caaggat 467

<210> 9730
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-F12

<400> 9730

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aaggcattgc gtgttggtaa agctgtagca gtagtgagtg tggagctgag gaagaagacg 120
actggtaaga ttattgctca aggtcgtcat accaagtact ttgctcctcg ttccaacctt 180
tgatcgttca accaaccttt cttctttttt acattcaata aacaacatca aggtgttttt 240
agtctttgtc cennnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnacaaaca accttacttt ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnngg 377

<210> 9731
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-D10

 <400> 9731

 actgtncacg cctgccggta anggtccgaa aattccccggg tgcaccacg cgtccgttct 60
 tggtgagagt aatagacatg ggagctcttg attctctttc cgagtatatc tccgactact 120
 tccgcgtcac cagaaaaagg aggaagcgga aagtcattgca gacgggtgaat ataaagggtga 180
 aaatggactg cgatgggttg gaacgcagag tcaagaacgc ggtttcctcc atgaaaggnt 240
 cgaatctcca actcgtagac tacttatgtc atgaatgggt tctgtaagtt tttttgtaat 300
 tttgatttcc attaaacgan tactcatgtn agcacgcca accatttcta catacaacaa 360
 gccaaattaa cacgggtcttt atatcaatat aaaaatcgcg cangtgtgaa atcgggtggag 420
 gtgaatagaa agatacataa agtgacngtg agtggatact tgaancanag aaggtattta 480
 aagagaatc 489

<210> 9732
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-H8

 <400> 9732

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 agtagtcgag agaggggata atgatggaag tggaaggatc gatgaatcgt gctcctgatc 120
 aatcatcctt cttacgatca agacgatcca aagctctgta tcagtttaag cagcagaaac 180
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 ttatagaccg gtatgatgtt gagtgcattc ctgaagaata tagaaccaac aaactgttgt 360
 atataactga ttcatctatc ccaaagaatt gtacgcgcta cttgaaggta caaaagtata 420

tgaaagctcc catttttatc tactaccagc ttgataacta ctatcaaaac catcgccggt 480
atgtaaagag ta 492

<210> 9733
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-A3

<400> 9733

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aatcagttgg agatattgag agattgatta gtttcttgga accttttggt ggaattggta 120
taattgctag gcggccagtg attctcaata gtgacttgga tagtcagttg attcctaggg 180
ttgatttcat taggaatcta agcggggaag acgatttcgc tactggaacg gtgctacgta 240
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agtcttttgc tggcttgacg agtgagcaag tgtttaagat tgttcatgtg ttcctaatg 360
ttatcagcac taagtaaaga gaggaaactg cgcccgagga taanagtttc tgaanggaat 420
gcgggtttga tcccccggc atgttcaa atcttgagtaa agcancattg attttaactc 480
tatccgaaaa taatccctcg c 501

<210> 9734
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-B1

<400> 9734

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gattctgaat cagtgatttt ggaagaaacc ccaatcagct gaagatgagg agattgtttg 180
cgatttcacg gacgggaaac agatttggtc atcggagtct tctcgaaaaa ggtaaatgtg 240
gaactgctcc tccttccttt agccattgca gtttctgggt acgagatttc tctggtgtta 300

gatatgatta cagaaaaata tcgataaata ggctaaatga tttgaagcta gatgatgcgg 360
 ttaatctgtt cggtgacatg gtcaagtctc gtcctttccc ttcgattgtt gagttcaata 420
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 gatgcaaaat ttggg 495

<210> 9735
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-090-Q1-E1-B10
 <400> 9735

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 atgaagccaa cgcgacgcac tatgattttg atttgtttgt catcggtgcc gggagtggcg 180
 gtgttcgtgc tgctaggttt tcggctaatac atggcgctaa ggttggtatt tgtgagcttc 240
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 gttgtgttcc taaaaagatt ctgctctatg gagctactta cggtggtgaa cttgaggatg 360
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<210> 9736
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-B12
 <400> 9736

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 gaaagataaa acaatgtcag cttcagccgt gggaagcagt gcttcggcgg cttcacagtg 180
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nnnnnnnnnn nnnnngaagc gatctaagaa gagtaagcga aagcataggt caaagtctga 420
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 aagagtantc a 491

<210> 9737
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-B2
 <400> 9737

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 ttatcttcac cggattccgg gtatagggct ttgtaaagtt gttgaattta caaagaaaga 180
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 ttatcattca gtagtcaaaa cccagatcct gaatcatcat catcttctct tcttcgttat 360
 aagccttggt attcgatttc gttgtgggggt aagagaagga agaagctttg gagatttggt 420
 cccagtgcgg agaagaataa cagtcatacg ggtaataata ataagaggag aagaagctgg 480
 tggcagangt tttt 494

<210> 9738
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-B6
 <400> 9738

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 cagttaaaga atgccttgaa gctgtgagat gtgaccttc ttacgctatt agctcatcag 180
 agactcgctt ctctttatct aagattggga gaagctgaga atgcgagacg tcctctttgt 240

gtttccggac aatgtcccca tcaagctgat ttgcagaggt tgcagacgct tgagaagcat 300
 ctcagactgt gtacggaggc tcgaaagatc ggtgattgga gaacggtgat tancgaaatc 360
 gatgcancca ttgcaaatgg agctgattct tctcctcagc ttgtagcttg tnaaggctga 420
 agcctttttg cggcttcac agataaagga ttcagatttg tgtatatcca gcattccgat 480
 attggatnat ca 492

<210> 9739
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-B9

<400> 9739

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 tgcataataag aatcagctag ctgaagcagc taaggagaca nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnncaca aagtgttaa ctgcagaagt tagctgcaca 360
 ggcaaaggcc ttccactnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnng tttcagtcac ccatcgatga ggtggatgcc tttgtattct ttgtcgatgc 480
 aa 482

<210> 9740
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-C1

<400> 9740

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 gtccgatgga gtctctccct gaaaacgaga aagtggttct tgttggtcat agctatggtg 120

gcattggaac tctcttctgct atggaaaggt ttccgaccaa agtctctgtc ggaatcttcc 180
tctctgctta catgccgcac catgactctc ctccggcgggt tttgattcaa gagtatttta 240
cgagactacc anagggtttc gctatggact gtgagtttac attcgaggaa ggattataac 300
accaccaag ttcagttttg ttcggtacta gtttcttgaa ngagaaggca tataantaat 360
tgccagttag aggatctana attaaccatg gcgttgatga aaccaagctg gttatacact 420
aaggaaatgg gaggtgaaga tctgataaca aaggacaagt atgggatctg ggaanagagt 480
gtttaatgtc tgtgaaan 498

<210> 9741
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-C11

<400> 9741

gnaatgttca cgcttgccgg taacggtccg aaaattcccg ggctccaaca atggctaaca 60
aaaacccaact tcaaaaaccc tttcttttca taatcttacc aatcaatctc atctttcttc 120
aagcagaanc aactactcaa atctctacca agaagactta tggtatccac atggataaat 180
ctgccatgcc tttaccttac actaatcacc tacaatggta ctcttcaaag ataaactctg 240
taacgcaaca taaatctcaa gaagaagang gtaataacaa caggatactc tacacttacc 300
aagactgctt tccacggttt agcagctcag cttactcaag aagaagcaga gaggcttgag 360
gaagaagatg gtgttgtagc tgtgatacct gagacaagat acgagcttca cactacaaga 420
agtccaacgt ttcttggggt agaaagacaa gaaagtgaga gagtttgggc tgagagagtc 480
accgaccatg atgt 494

<210> 9742
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-C3

<400> 9742

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ccatcgaagt cttgacagag agaattcgaa tcggacagag aatttcttcc gtagtttttc 120
ttgtaagcga anaanaagtt tagttagctc gtgtgagaga aggggtgtaat gagctgtttt 180
ggntgggtgtg ggagtgagga ttttcgcaac gctactgaca ctggcccaag gccagcgcac 240
aaccacagcag gttacaatgg aggccactac caaagagctg atccacccat gaaccaacct 300
gttattccca tgcagcctat ttctgtacca nccattccag tggatgagct gagagatata 360
actgataact atgggttcaaa gaccttgatc ggcganggtt cttatggaag agtgttttat 420
gggtgttctta aaagcgggtg tgcagctgcc atcaagaaac ttgactctag taagcagcca 480
gatnaagaat ttcttt 496

<210> 9743
<211> 497
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-090-Q1-E1-C5
<400> 9743

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ggatttttagg gaaaaaagag aattcgaaca aggtcgctcgt cgtcgtcgga tttgtagatc 120
atcatggagt tctctttgat cgcagataca gtcacagttt gcacggctaa gcaaggatc 180
gcgtttggga aatctcttct tcaaagggtg gatttggcca atcacatttc tttcgccgat 240
tccgttggtg atcatcaatc tcccgggtga ggaatcggtc aagcatcggc gattattttc 300
cccgtcgatg caattgctcc tccaccggtc agatctagct cttataagac aattcgcccg 360
atccgtaaaa agcgacgaac caggcgagtt tcgtttggtg ggagatggag atgacgcagg 420
agattttggg tcgttttctg ttaagaaggt gatttcggtg gtaacgacgg tccatttgga 480
tttggaggcg gaggaaa 497

<210> 9744
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-090-Q1-E1-C9

<400> 9744

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 tctgggtgga ggtctatgaa atcaacccat atcgtgaatg gactgcaaca tggatatctt 120
 gtcccagtgg gattgggagc atttgatcat gtccaatccg tcaaggactg aagatgacag 180
 caaacagcta cctactgagt gggaaattga aaaagggtgaa ggaattgaat ctatanttcc 240
 acattttctca ggccttgaga gagtcagtag tggtcttgcc accagcttct ggcacactgc 300
 tgtatcgaaa agctcacagt cgacctctat caactcatca tctcccgaag ccaaacgatg 360
 caagcttgca tcagaaagtt ccctgnaga ttcttgagc aacatanact ttgtccaggt 420
 gaangctccc acagctctcn aagtatccgt tgctcagct gaatcaaac ttgttaanaa 480
 ctaaggaa 488

<210> 9745
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-H2

<400> 9745

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 atacctgaga cgataggaaa ttgactgcc ttccagggtt tggacttgct ctacaatcag 120
 ctaactggtg agatcccttt tgacatcggc ttctgcaag ttgcaacatt atcattgcaa 180
 ggcaatcaac tctctgggaa gattccatca gtgattggct tcatgcaagc ccttgagctc 240
 ttagatctaa gtggcaactt gttgagtga tctattctc cgattctcgg aaatcttact 300
 ttcaccgaga aattgtatct gcacagtaac aagctgactg gttcaattcc acctgagctt 360
 ggnaacatgt caaaactcca ttacctggga actcaatgat aatcatctca cgggtcatat 420
 accaccaaag cntgggaagc ntactgacnt gtttgatctg aaagtgggcn acaatgattt 480
 gggaagggc 489

<210> 9746

<211> 508
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-F3

<400> 9746

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tttatatatt gtaacggtga aaaatcgtca tctacttctt cttgaaaccc tagttccaaa 120
atctgcacac aactcagaa gaagaagacg tcatctctct atctctgtct ttctgctaata 180
ttcacgaaga atctgagaat atgccaacca tcagtgttgg cagagaccgt ttgttcgctg 240
ctcttgagaa atcctatact caggaaaaat tcgaggaact gtgtttcagt ttcggtatcg 300
agcttgacga tgtgactact gaaaaggcaa taatcagaaa agagaagcac atcgatgaag 360
aagctgatga tgatgaagaa atcatctaca agattgaaat tcctgccaac aagacctgat 420
ttgctttgcc tcgaaagggc ttgctcaatc tcctcgcgtt ttcacgaag aaacaggaga 480
taccaacgta tactcttgct gacattag 508
  
```

<210> 9747
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-F4

<400> 9747

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tttgacttg tcctacaatc agctaactgg tgagatccct ttgacatcg gcttcctgca 120
agttgcaaca ttatcattgc aaggcaatca actctctggg aagattccat cagtgattgg 180
tctcatgcaa gcccttgag tcttagatct aagtggcaac ttgttgagtg gatctattcc 240
tcgattctc ggaaatctta ctttcaccga gaaattgtat ttgcacagta acaagctgac 300
tggttcaatt ccacctgagc ttggaaacat gtcaaaactc cattacctgg aactcaatga 360
taatcatctc acgggtcata taccaccaga gcttgggaag cttactgact tgtttgatct 420
gaatgtggnc aacaatgatc tggaa 445
  
```

<210> 9748
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-F6

<400> 9748

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gttgagctca agactcagag ggatattctt ttgtgttggt gctggcattt cggctacttt 120
tctcattgtc ctgatgatta ttgggcatcc gttcgtcctt ctcttcgata cctataggag 180
aaaattccac cacttcattg ctaaactttg ggcttccata agcatttatc cgttttacia 240
aatcaacatc gaggggtttg agaactctgc atcatcagac actcctgctg tatatgtttc 300
aaaccaccaa agttttctgg atatctacac acttcttagt cttggaaaaa gctttaagtt 360
catcaagcaa gacagggata ttcgtaattc ccatcatcgg ttgggccatg tccatgatgg 420
gtgtcgttcc cttgaagcgg atggncccaa gaagccaagt ggattgctta aaacgctgca 480
tg 482
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<210> 9749
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-089-Q1-E1-F7

<400> 9749

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cactttgtc aatcaaacac actctctgtt ctgtttttct caaacttggt taagttcgat 120
gactatggaa gtgtcgaaaa agaaagggtg agattttcag caatgtcacg aattgattcc 180
cggtttacct tccgaactag ctttggagtg tttggtcaga gttccgttcc aattccaatc 240
cgccatgaga tccgtttgcc gttcttggcg tagcttactc tccggactct tcttttatcc 300
aagaaacggc gggagatgcg gcaaaaacaa gaagcttccct cctcctgcc tccgttcaaa 360
ccgctaaacg ccgccaattc caagcgtcta aaatcggttg acgaagacat taatgggttg 420
acgaagaaaa aatcagaagg atgaagtcac aaccgcgcc gttttctgca agccgcgttt 480
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tg

482

<210> 9750
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G1

<400> 9750

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ctcttcttta aattggatgt ttgggcaag aaacagagag aaacacgtta atttgagagt 180
ttgtcattga atatttggtt tgcaatggaa agagattttc tgggtttgag cgacaagcag 240
tatctaagta ataacgttaa gcatgagggtt aacgatgatg ctgtcgaaga acgaggggta 300
agtacgaagg cagctagaga atgggggaag tcaaagggtt ttgctacttc aagtttcatg 360
ccttcttcag atttccagga ggctaaaggc gtttccgggt gcatancagt gggggatagt 420
ttctgcgggc aaatgttttc cgcagatgcc aaatttggtg ggtgcgtttc aaaacgcgac 480
gccgcctttt acnangcggg ttcaattcct tta 513

<210> 9751
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G11

<400> 9751

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gttgatgcag aaagaaggct attagctcat gctctcggtg atcctgataa tcaacacttt 180
atattgctgt cagatagttg tgtaccgcta ttcgacttta actatatcta taaccacttg 240
atcttcgca atctcagctt cattgattgt tttgaggatc ctggaccaca tggatctggt 300
aggatttcac aacatatgct gcctgagggt gaaaagaagg attttcggaa gggctcacag 360

tggttttcaa tgaagaggag acatgctata ntcgtcatgg cggacagcct ttactacacn 420
aaattcaagc ttnactgtan gccaaatatg gaagggacgc aactgctatt cggacnaaca 480
tttt 484

<210> 9752
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G12
<400> 9752

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tcgaagattt atctctacaa ttcgctgtgg atcttcgggg cgggcgaatt tcattgattt 120
tccattgaat ctgagaggtt acatatccgg atttgtgtta tcggagctga atttaggaat 180
ggaggtagag aaatccaagt ataggagcga agatttggat gtggtggagg aggaggctga 240
tttgaagaag agtcggcgag atcgtgatcg gagtaatgag cggaagaagg ataagggttc 300
aagagaagcg tcgaagagaa ggataggcgg gaagaaacga gttaagaata ntgattctga 360
aagatgatta cgataganat gatgatgaag anaaggaaaa gcctnaggag aangagaagg 420
aaccgagacc gagggataan 440

<210> 9753
<211> 486
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G4
<400> 9753

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oo 120
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agatctctcc ctttgacctc gtcgtcaaac ctctctctcc ttccgccgcc gccaccgcac 240
caccaacca acgaatcccc accgcgaaaa cagaaacatc gacggtgagc ttcaccgcaa 300

cagtgagatt atacggacca cctaacagtc tagtgacgtc gtatctccgt ttcgctcttc 360
 tccacaagaa agttccgctc cgtttcggtc catcggaaga ccaaaaaccg acgattcaag 420
 tccgattggg agactgtatc aagttctcga gaggttcttc tccgttacat cgaaggataa 480
 gttccc 486

<210> 9754
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-G5

<400> 9754

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 ccagatctcg ttcgggttcg agccctcca ggtctatttc ccgctcacgc tcccgttcta 180
 gatcgtcttc ttcattctca tctccttcgc gaagcgtcag ttctgggagt cgcagtcctc 240
 cacgtcgtgg aaaaagtctt gctggacctg ctangcgagg tcgctctcct cctcctccac 300
 catctaaagg agcatcttca cttcaaaga aaagctgttc aaggaatcct ctngttctca 360
 aggtttgatt cccttaagca aggaaatgtg aaatgaaagc caacctcaaa agaaaatctt 420
 tgggnaacnt ttgggtgnaa gttaatncaa tggtcgaaaa ttgcgaatng gattcgaacc 480
 tgt 483

<210> 9755
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-G6

<400> 9755

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 gaagctttct ctttccgac tttcaatggc gattctcaaa tctcattct tcttactctt 120
 ccctcttctt cttctccact ttcacactgt ctcttttgct cagacgctct ttgtgttcgg 180

agatggtctt tacgacgccg gaaacaaaca gtttctctct cagaaccgag ttgacgcaag 240
ctttcctcct tatggagtca ctgtaggaca agccaccgga cgggtgggccg atggttctat 300
cgttcctgat tatcttgcta aattcatggg aattcctaaa atctctccga ttctcctaac 360
cacggcgagg tttttctcac gggagcta attcgccatcg ccgaagctaa cgttcttggc 420
tctcctccgg agacgatgac tttgtcacia caaagtgaag aaattctcgg aaaacaaaga 480
ataagtgagc aaatcaaaca cgtttctgaa a 511

<210> 9756
<211> 510
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G7
<400> 9756

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atcatcactt cctcacaact tttctcataa tcatagccat gctcaaattg gttcatnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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caagcccaa gctcatggct catgcggctc tcaacatcac attagcctcg gctaaagtaa 360
cttcaagcaa tgatggtgcg tctctcgaat agtcgggtca agcctaaaga aagtctcggg 420
catganaaga ctgcgtcgaa gaattaggtg acacgttggg agggagctta ngaaatcnat 480
tggtgagatg tgtcaactaa gtggctcnaa 510

<210> 9757
<211> 506
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-089-Q1-E1-G8
<400> 9757

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 gtctctgaag cgtagagagg tancaatcga tcatagcggt gagatcgtag ctgggaaagt 360
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 aaagccaccg gacaatgctt gngact 506

<210> 9758
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-H10
 <400> 9758

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 aatcaccctg tgaaggacta cagcgaatt taaagagcat ggttgaaggc ttactaaagt 420
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 catcaagaaa tggtggcncc 500

<210> 9759
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-089-Q1-E1-F2

<400> 9759

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gaagcggtttt tatttcaagc tcagagtcaa tcttagtata gggctgctaa tgggtttcat 180
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
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<210> 9760

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-087-Q1-E1-F8

<400> 9760

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gccgtcttct ccaacttggg gctctcagct tcttcaattg tcagtggcaa gatctcttgc 180
cttgactgcc accgcgattt cgacttctca ggcattaagg tctctcttaa atgcgacgga 240
gagaagaaac aaataaccgc ggtggcagct gcagacggat ctttccggtc agtgcttcca 300
acggctgaca aaaaaggctc cataaattgt cttgcaaagc tcttggggag gccctgagca 360
actctatgct cacaacaca acttggcttc tgaattgggt caaatctaaa cacgaattcc 420
aangttttta ctacctcaa ccnacttgc ttcnctctcn cctgccccaa ccatccccga 480
atgatatcgg aantagaatc g 501

<210> 9761

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-G1

<400> 9761

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tcccaattca aagtcctttc gcttaaggga atctcttggt cgtcaccatc ttcttccttc 180
tccaatcgtc gtgggtgcttc ggctacctta tctcttcccc ttagcttctc tcagagcggt 240
tctcaatgcg tcgccttctc aaccgggaat ttgtgggtac agaagccaat gaggcaattg 300
attgtgtgtg aggctgctgc tctaccaag aaagctgatt cagctgcaa gagagctcgc 360
caagctgaga agaggcggtt ttacaacaaa tctaagaaa tctgaaanc cttacccgg 420
attaaanaaa ggccttgggg aagcacttta aggggctcaa gnaagaaaaa ctgatgccnc 480
aaacctgaat gaaaaattgt naacg 505

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<210> 9762
 <211> 527
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-G2

<400> 9762

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntga cttggtgcaa 180
tgaccgtagc gatgttcaga ccgttgaaag aatcattccc tccccggggg cggctgagtc 240
ccccgtagcc tcaattccgg tctcttgta caaaacttgc cttcttctgt gccataactt 300
caagtttcac gaacaggctg ggattcatga cttgccgggg acttctctgt ggagtaaaat 360
ttgatccgac ggatcaagag gtcttgngc atcttgaagg aaaggaaga gatgacnaa 420
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<210> 9763

<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-G4

<400> 9763

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gtatgatccg ttttcaagaa gatggacccg atcatcaaac tactacaacg ggaaaaacaa 180
ggggaaagat ggagaagaga acgaggcagc ggttgacgca gcggttgaga ccaatggagc 240
agatgcagga gcaggtgttg aagcgacaga agcagcttta gaagcagctg cagaggcagg 300
aaagctaata gacacaagag ctccaatagg tcaaggagca gaacacaatc agcttcataa 360
ctttgaattg tccgtttatc gctaacggct ttacagaant acggaggacc tcaaaggagt 420
tcaagaaagc gttcatggcn aggaancaac tgaccgaagc aactgttggg attcaaaant 480
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<210> 9764
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-G5

<400> 9764

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cgttcatgtt ctccggcaac ctccgtttcc gtcaaacctc tgagctcagt ccaggtcacc 180
tccgtcgcgg ctaaccgcca cctgctttcg ttaagctccg gtgctagaag aaccagaaaa 240
agctctagtt cggtgataag atgcggcgga atcaaagaga ttggagagag tgagttttcg 300
aagtacggtt ctgcaatcag cccagccggt tttggttgaa ttcgtcgcta cttggtgcng 360
gtccctgcaa attgatctan cangctatgg gaagccttat ctcaaggaat atggnggaca 420
aaattggaca attgtaanga ttgtttacga cgnetgancc aaagggttaat anccgggntt 480

caagggttaa nggtttaacc gnatttccat t

511

<210> 9765

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-087-Q1-E1-G7

<400> 9765

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tcttccattt tctgaatcaa aattttctgg aaacaatggg gagcttgggg acgatgctga 180

gatatccgga tgacatatat ccgctcctga agatgaaacg agcgattgag aaagcggaga 240

agcagatccc tctgagcca cactgggggtt tctgctattc gatgctccac aaggtttctc 300

gaagcttttc tctcgttatt cagcaactca acaccgagct ccgtaacgcc gtgtgtgtgt 360

tctacttggt tctccgagct cttgatactg ttgaggatga tactagcata ccaactgatg 420

aaaaggttcc catcctgata gcttttcacc ggcacatata cgatactgat tggcaataat 480

catgtggtac gaaaggatac a 501

<210> 9766

<211> 533

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-087-Q1-E1-G8

<400> 9766

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gacgcgtggg ctcgccccca acgatatttg ttcacttcta ctgcgtattc tccgaccagc 120

tctctattca ggtcttgag actttgtccc aacaccaaca aaacgtcgtc cgatgctcct 180

cctcagtgtt ccgtctagcc aacgaccttg taacctcacc ggtaaacaat ctcttccaag 240

atgaattggc gagaggagac gtctgcaa atccaatg ttacatgagt gaaactggag 300

catcagagga taaggcgcgt tcgcatgttc gacagatgat caatgacttg tgggatgaaa 360

tgaattatga gaaaatggca catagctctt cgatactcaa tcatgatttt aagggaaca 420
 gtganaaatt tgggaacgca tgtctcaatt gcatgtatca ataatggcga tgggccatgg 480
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<210> 9767
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-H2
 <400> 9767

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 cacgtcggag aatggaaaca gcggtggtag taaaaacgat cgtgatgagg atccatcttt 180
 taaccatttt ggtttctgta cagacaaccc gtctagccgg agtgcaattc agttaccaga 240
 gtctccggcg gaagacggca atgtcggcca aatgctctac aggactgaag ataaaggtaa 300
 agagtatggc tcaactatca aatctgggaa gcttagatgg tttgtgaana gagactgggt 360
 taaaaggaga gtcgtcaagg aacaatggta tttgttcaaa ggggctccta actcaancct 420
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<210> 9768
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-H4
 <400> 9768

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 tttcgtcttt cttctctgta acatccaaaa cgtcttcgac agttacatct tcaaacgaac 180
 tgaatcaacc aatcaaaaac caagctttgc ctctgttttc gaagttatta tttctcttc 240

tctcgttgct acgatcatct ccgtcgtggg tctgcttata gccggtgagc aacacgattt 300
gaagagggaa atgaatggat tctcgaaagg gaaaggttct tatgttgatg gctatggttg 360
gtcaagctgt ttcgtggcaa gtcnaattgg gggtgggatt gggtggactg tcnaccngt 420
tccnacctgn tgnncnatgt tattaatggn cat 453

<210> 9769
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-H6
<400> 9769

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ctgaacactg gtgccaagtt accttgcgtc ggtctaggaa cctacgcaat ggtcgcgaca 180
gcgatcgaac aggcgattaa gattggttac aggcattatc actgtgcttc gatttacgga 240
aacgagaaag agattggtgg tgtgttgaag aagctgatac gtgatggttt tgtgaagcgt 300
gaggagtatt ttatcacttc caaactctgg ngcaatgatn atttacctga agattgccna 360
anggcactgg gaaaaaanct tacagggacn tacagattga cnangttgag ttanaccggy 420
aacattgggc 430

<210> 9770
<211> 390
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-088-Q1-E1-A1
<400> 9770

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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ttaaatecgac gcctgagatt gngaaaaagt atgttcatcg agttttacgat gcgantgctc 300
 ctcaatttag ctctacaag gttgctaagt gggccaaagt tgcngecntt ccncgaaacc 360
 gtaccgtctg gatttgggga atcccnaatc 390

<210> 9771
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-088-Q1-E1-A2

 <400> 9771

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 ttaaatecang aaagccagtt acagtgactc ctgaagaagg cattccgtat ccacgtttct 180
 caggcatcgc ttggagaatg taaaaacaag aagggangag tttgtgcctt tacatgtnaa 240
 gggtgggaac canaacttgg ttctgggaac tctatcgact gagaacatcc ctcagctttt 300
 ctgtgatttg gtattcgaca aggagtttga gctttctcac acttggggaa aaggaagtgt 360
 ttactttggt ggatacaaaa ctcccaacat tgagccacan ngctattctg aggaagaana 420
 ggaagaagat gaagaagttc ctgctgggaa tgctgccaaag gctgttagct aaaccaaagg 480
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<210> 9772
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-F6

 <400> 9772

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 ttactcgtgt ttattgaagc tatgcctaaa agaacagcag aagcgtgtcc atcatctgaa 180
 atccaaagaa gcagaggaga tacttttggg agttacagat ctcaagtagc tgagcttttg 240

tctctaggtg agaggatctc acatcatgat caacaagaag ccaatgagag gcattctgag 300
 agtggttatag gagctgggat gtcaaatgtt gagaaagata atttgaatgt tttgttaang 360
 cagtgtgtga ggaatctaag tccagaagtt gatganatgc aggaatgtgt acgccccccg 420
 gtancnaatt tctcagctag gggaacaaat gtcantcaac cgtccccgaa ngantttgtt 480
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<210> 9773
 <211> 548
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-D1
 <400> 9773

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 aagaaccaac tatgttcctc gccaaagttg tgctagctat gcggttcaag ggattgggtt 180
 tgtgtcaaatt gggttatggac taggagatag taactgggtc gtgtcatata agccattcat 240
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 atgaagtaga agttgcantt ttttcccta atcctaanaa acccctttgg gtggtgaaaa 480
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 aaatcccc 548

<210> 9774
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-D2
 <400> 9774

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 tctttcttaa tctccaagct cgtattctat ttcttattcg atgtttatatt cgttgaaatc 240
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 tttcggattc gtgagctttt ggggactgga gaatatggac aacnggccat gagggaaaga 420
 cttgccgaga gggtttccgga attgggaacc cggagaatca nccnggttcc aatgaaaaac 480
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<210> 9775
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9775

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 tgcgaaaaaa aaaaatggga agtccaaaga agaacgagaa caaaggcttc ttcgccgcca 180
 tgacttctgg cttctccatg ttcgggtaccg ccggtgctgag atccgttaac ggctgcaag 240
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 ctcagaaagg aagggtggaag gacgaggaac gagatagtta ctggaagatg atgcagaaat 360
 atatagggtc ggatattacg tcaatggtga ctctccctg ttgttaaatt ttgagcctaa 420
 gactatgctc caaaaagatg gctgagataa tggagtaatc cncaatttgt tnggatnaaa 480
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<210> 9776
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-087-Q1-E1-D4
 <400> 9776

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 ccgtagagaa agcttgtcat ttgatgatat tatgccatga cactcttttg ttaatatgt 360
 attaatttct ctcttttaaa gttgagattc tccgttggtta ttggtatatt tgtataggta 420
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 aaaaaaaaaa aagggcggcc gccccaaaag attcaagcct aa 522

<210> 9777
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-D6

 <400> 9777

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 gatgcgattg ctcttcattt tagctctact aggtttgcta agtggcctaa agttgctgcc 360
 tttctcgaat cgttaccgtc tggatcggtg attctcgatg ccggttgctg taacgggaag 420
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 aaa 483

<210> 9778
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-D8

<400> 9778

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ttgcaatttg gagcagcagg aacatatatt gttattatgg ccactcttaa ccaaggccag 180
aaccgttacg tcgtaattgt gtatcgtaat cttgtggctg ctcttgctct tgcacctttt 240
gcactcatct ttgaaaggaa agtgaggccg aagatgacac tatcggtttt gtggaaaata 300
atggcacttg gtttcttaga gccagtcttg gatcaggggt ttggttactt ggggatgaac 360
atgacatcag caacatatac atctgcgac atgaacattc ttccttctgt cacatttata 420
atagcttggg ttttaagaat gggagaaagt taacatagcg gaggtacgaa gcaaagcaaa 480
gatnantggg aaaattggtg ggtc 504

<210> 9779
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-E1

<400> 9779

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tcaggaggat tgatgatttt gagttcacac ctgaatgtgc aatatttgat ttacttgaca 120
ttcccttata tcatggatgg atagttgac ctcaggatgt tgaagcagct aatgcaattg 180
gtagcaaadc gtataatgct cttatgggtg agctagttgc actggagaca cagaatgtag 240
aggctcaagg cgatcaaaat cccggagaag attctgttga ttttgctgcg gcaactactg 300
cagttttagg ggttccttca ccttgtcttt cgaaaacaag atcttttgat gattctccac 360
ctgcggtctg agagcttcgt anaatgagaa agggggatct tgaagaagaa acagagttgt 420
tgcaagcctt gcagttatca caagggaag gggaatgatt caactccaaa cactaacggn 480
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<210> 9780

<211> 523
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-E3

<400> 9780

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 tctccggttg tgaaaacttc tgttggtcgt cgtcgaaggt cagttcgtga ttctgagttt 240
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 gattctgagt agtattgaac attaagataa tgtctggaag aaatcgtgga cctcctcctc 360
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<210> 9781
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-E5

<400> 9781

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 tcatcccttt tagccgcat tgaagatgac tggtaaggcc aagccaaaga agcatacagc 180
 gaaggagatt caagcgaaga tcgatgctgc gttgactaat cgaggcggag gaaaagctgg 240
 aatcgtgat cggaaccgaa aagagaaagg aggccacgct aagtacgagt gtcctcattg 300
 caaaattacn gtcceaagg cttaagacga tgcagatnca tcacgaatcn aagcatccta 360
 atatcattta tgaggaatca nanctcgta atcnccatgc tgttttaaca ccaattagct 420
 gaatcggata nctaaacctg gtatcanggg aancttgaag aantnactcc aatgtttgga 480

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517

<210> 9782

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-087-Q1-E1-E7

<400> 9782

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tgttctttta aatggctcgg ttgataattc cttgtcgaag ttcgtctctg gcgagagtca 240

atcttctggg tttgctctct cgtgctcctg ttcctgttag aagcagttgt cttegtagtt 300

cggcaaacag acttactcaa cacagaccgt ttcttacttc cgaggccatt tgtttgagga 360

agaatcggtt tctaccccat tctgttgata cacataagca naacagcagg aggctcattt 420

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agaaatattt cccaangaac taca 504

<210> 9783

<211> 481

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-087-Q1-E1-E8

<400> 9783

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gatgttttgg gcaagaaaca gagagaaaca cgtaatttg agagtttgct attgaatatt 180

tggtttgcaa tggaaagaga ttttctgggt ttgagcgaca agcagtatct aagtaataac 240

gttaagcatg aggttaacga tgatgctgtc gaagaacgag ggtaagtac gaaggcagct 300

agagaatggg ggaagtcaaa ggtttttgct acttcaagtt tcatgccttc ttcagatttc 360

caggaggcta aggcgtttcc ggggtgcatac cagtggggat cagttttctgc ggccaatggt 420
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<210> 9784
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-F1
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 ggtacgtttt tattgcatgt agtagtggat tgtaagtgc cettatttgc tacataagga 300
 agcagtaatc tatctcttga attactaaaa gtttcaagca taagcctgaa aagattactg 360
 caatttaatt ttcataagg ttccaaagaa gtcctcaata aancataaag gaagactgaa 420
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<210> 9785
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-C7
 <400> 9785

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 tctgtctcat tgcaaaactt ttgtcnggca ncaacannga ttagtttcca aaagccagct 180
 ttgatttcca accatggaaa gactaatcta tccttcaacc tccgccgttc aatctcatct 240

cgccgcctct ctgtttcttg cgcggnatan caggagacna tagagaaagt gtcngctata 300
 gttaagaatc aacnatcact tacnccggat aaaaaagtcg ttgcagnanc caaatttgct 360
 gaccttggng caaattctct cgacacggtt gagatagtaa tgggtttaga ggaaganttt 420
 aacatcgaaa tgggccgnng agaangcaca cangattggc acagttgagc aaagctgctg 480
 aaactcattg aagaagctca a 501

<210> 9786
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-086-Q1-E1-H5
 <400> 9786

taactgtttc gcttgncgt ancnagtccg gaattcccgg gtcgaccac gcgtccgaac 60
 naggttatgt tgctaggaca tagtgactcg tacatgaggg acaaagctat gcaagtgacc 120
 attgcttaca atcattttgg agtcggactt attcaaagaa tgccgaggtg tgcacacggg 180
 tacttccatg ttgttaacaa cgactacact cactgggaaa tgtacgcaat aggtggtagc 240
 gcaaaccgca caatcaacag tcaaggaaac cgctatgccg ccccaaaaaa cccctttgct 300
 aaagaggtga cgaagagagt ggacacaccg gctagtcatt ggaaaggatg gaattggaga 360
 tcggaaggag atttgcttca gaacggtgct tacttcactt cttcaggagc cgccgcgtct 420
 ggcagctacg cacgtgcctc cagcctttcc gcgaaatctt cgtcattggt cggacacatt 480
 acttccgacg ctgggagctc taccttgctg 510

<210> 9787
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-086-Q1-E1-H7
 <400> 9787

acgcgtccgc aaaacattac cggaacagaa ggacaaacga tccagaattt gtgctagatc 60
 ttgaagagat atatgttatt gattccaaga caaagtcaat caccagagcc agagttctgg 120
 tgacagttcc gggaggaaga aaaagggata ggaaggatga cttgcttgtg atacgagata 180

atggaacctc ctttaagatc atacacgtgg gtgaaagaga tgaccaaca acggtaatag 240
aaagagaaga gtggaccaag actagagaag acatggagaa acatctcagg aagctacgag 300
acttcagtgt ctcaaattgg ttctaagaag aactcgagag acaccaaacg acaagtcagc 360
ataactttct tcttgagatg gaaaacgaga gcagatgac taaatccgat gatatggtgg 420
gaaggggtata caatttttggg gacctcaggt actgcactag cagcaga 467

<210> 9788
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-H8

<400> 9788

attcccgggt cgncccacgc gtccggcncg tcatcaatca tcatcatccg aaacctcaga 60
tctctaaggc cgggatggta attgcacgag gtttgtagg aatacaaaca actcttgtga 120
aaaatatgca acatatggta ttttccctaa ccgaagcagg ggctcgactt ttcgttacca 180
agattcttta gacaattcat atcgatcggg tgtgtaacga tactagaagg agacacgata 240
ttcatatttg gggaaaatga atctacttgt cctttgaaat ctatcctcaa gattcacagt 300
cctcagtttt actggaagat tctcattgca aacagagacc tgaactcacg aaaatcaaac 360
cttgccaaga aaaggggatn gtggacaaca agtggtttcca aactggccaa gcttaacatc 420
ctgcaacata nttacctaaa gccatttccg gttnacagga aacctttact ccaagnccca 480
aaggg 485

<210> 9789
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-086-Q1-E1-H9

<400> 9789

ggatagcatc ancgggtgat ttggtgagag ttctgatggg gtatctgtcg ctcttggagt 60
aagtgtgtgct gctggattaa gtgtntttgc atttacagag attgaaacca tactccaact 120

actangttca gctgcacttg ttcaacttgc aggcangaaa cttctatttg ctgangaccn 180
aaagcaaact ctaaaacagg tggatgantt cttgaacaca aaggttgccc ctaaagaact 240
tgttgatgag ttaaacgaaa taagaaaggc tcttcttctc caatcaacaa ncaacanngc 300
tctcccagca ccagcaacag taacancaga agcagantca gctacaagct acaancacca 360
cagtcgataa accaagtacc tgagccaaga aacagttgca gctacaaca 409

<210> 9790
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-A4

<400> 9790

gantggtttg ctgcacctgg nctccggaa atccaaaggt cgacccaggc ntccgcaata 60
ttccaaacag agatgacggg gaagataagg ctgcgcgctc ttggttgtaa acaccgaccc 120
ttctatcgtg tagttgtcgc cgatgaaaaa tcgcgcaggg acggtaaaca aatcgagggtg 180
ttangctttt atgatccact ccaaggcaaa gaagatgcgg atagagtgag cctcaaattc 240
gacagaatca agtactgggtt atctgttgga gctcaaccaa cagacacagt ggaaagcatg 300
cttttcaggg ccggtttgat accaccaaag cctatggtag tggtcggttc gaaaaatggg 360
gcagaagtct acgagccaac atgtttcacc caattacagg tgaaaatcct gaaactaaga 420
agtgttnatg cctttaanca agaaaaaanc cttttgtgtc nttttnaaag nanttaaggt 480
taatgttggt taaaaacttt ccggttaagg ttaaaaggag ttaatgtaaa ngttggt 537

<210> 9791
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-B7

<400> 9791

acgcgtccgc tantagatca tcactttctc gatttcgata ttcccaataa ataataaata 60
ctctcagttc ttctcttctc caagaacaaa aaaaaaaaaat gaattcagaa tcgctagaaa 120

atcttcaccg tccattaatc gaatcatcga agtcgttcgt cgattatcgt ctcgagactg 180
 tgттаacaga tcgagagtta ccgtattttc gccggattta tctagcgatg atgattgaga 240
 tgaagtttct ctttcatctg gcggctccgg cgatctttgt ttacgtcatc aacaacggca 300
 tgtcaattct tacacgtatc ttcgctggac acgtaggaag cttcgaactc gccgccgctt 360
 cacttggaac cagtggtttc aacatgttca cctatggact tctgcttga atgggaagtg 420
 caatggaaac attaagtgn caagcacatg gagctcaaag atacnaaatg cctg 474

<210> 9792
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-B8
 <400> 9792

gganatcccg ggtcgaccca cgcgtccgag caaaatgaca acattctcct tcaatttaac 60
 ggттаacgat ttaaaaacac attttccggt gaacggagac ggсgaattcg agattctcac 120
 tggaatcata tggaaatgtg ttgсgacggt gaggggagaa tcagctccgg tgacgattac 180
 ggттatcaga tcggatccga agaagttgaa gcctagagcg gtgagaaatg gtcagatgat 240
 aagttccant cacgtcgatt tctcggtggc ggaggcgagt ttggaggaga ttgtgaaatc 300
 gatcggtgaa gcgaaagatg agagggttgt gatcgatgag attgttgatg atgtttcgga 360
 ttttattgtt tacngagccg aatttaacgt tttgttggt atgagttgaa gttgaatttt 420
 aanagggcan agttatgggg aaatcncccg gaatcnggt taatggtaat aatccagggg 480
 aattggggaa caacgganca attg 504

<210> 9793
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-C2
 <400> 9793

anggtttgcc ttgcctagc ctccggaaat ccaaggtcga cccacgcgtc cgcagatctt 60

gntgggtctc gaaccttctt cttcgtttgc atcagagcga gaatggcggg aggaggaaac 120
 tttattgcga gagtgatctc atacgttgcg aacgagttca tagttaatgg tttggcaaac 180
 agccatgctt tccagagatt tgctgtgagg acttcaaaga gaatagaaaa cctctctaaa 240
 atggctgcag agaacagggg gaaagtcgct cagcaaattg aagaatttgc caagaacatt 300
 gactccacga agaaacctg atcattctag tgtggaatct taaaacctca gtaaatacaca 360
 tgggtcagct caagtaggga ggtctgttaa nctttgtata aagaatgtta aaagttatan 420
 ncttgtggat taacaacant tgatcttttg ggccggttcc cctcccctaa aaccnaattc 480
 ttccggagtg actaaacacc ngatgaaag gaatttcaac cgccttttgc 530

<210> 9794
 <211> 556
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-087-Q1-E1-C3
 <400> 9794

gtttgccttn ccctacggcc cgggaaatcc cangtcgacc cagcgcgtccg cccangcgtc 60
 ngctccgccc tctctcccca tctctttcga cagatctctt ctctctctcg tgtttcacga 120
 aacaatggcg actcaattca gcgcttctgt ctcatcgaa acttcttgtc tggcaacaac 180
 aaggattagt ttccaaaagc cagctttgat ttccaaccat ggaaagacta atctatcctt 240
 caacctccgc cgttcaatcc catctcgccg cctctctgtt tcttgcgcgg caaaacaaga 300
 gacgatagag aaagtgtctg ctatagtta agaagncaac tatcacttac accggataaa 360
 aaagtcgttg cagaaaccaa aattttgctg acctttggga gcanaatccc tcgaaaaggg 420
 ttgagaataa gtaatgggt ttaagaagga agagtttaac aatccaaaat tgggcggaaa 480
 gaagaaaagc acaagaanga ttggcacaag tttgaancaa agctgcctga actcaattgg 540
 aagaactcaa caaacg 556

<210> 9795
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-C4

<400> 9795

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gtcngcgcgt cgatccacat cgcaggtgag ggttcctgca atttatccct cgtggtctct 120
gaatctcaga tcgtcgtcaa cgaatcctcc attttctgaa tcaaaatttt ctggaaacaa 180
tggggagctt ggggacgatg ctgagatata cggatgacat atatccgctc ctgaagatga 240
aacgagcgat tgagaaagcg gagaagcaga tccctcctga gccacactgg ggtttctgct 300
attcgatgct ccacaagggt tctcgaagct tttctctcgt tattcagcaa ctcaacaccg 360
agctccgtaa cgccgtgtgt gtgttctact tggttctccg agctcttgaa ctgttgagga 420
tgatactagc ataccaactg atgaaaaggt tccaatccgg aannctttta acgggaaaaa 480
ttccaatacg gattgggaat tatcaagggt gaacgaangg attccagatt caa 533

<210> 9796
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-087-Q1-E1-C5

<400> 9796

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cgagcggcgc cccttttttt tttttttttt ttttaagcag attgaagaac ttttaaggaga 120
atcagtaact cataaggatc attccatgta ataaacataa ttctaataga aaacatagat 180
tcgatttggt ccaacaaaac attcaaattg aaaattgcaa aaccaacaaa actcacataa 240
gagttgggtc taaaaagaag aaagacaaaa caaactcccg aatctactta gatcgctgtc 300
tcatttttcg tctcttcctc ttcaatctcc tcatacgtt cttcttccac ttggctctca 360
tgctgatttc gcagaagctg tctccttcgt tcccctggat taattgggtt aactttaccg 420
ggacgcgtgg gctccgattc aaacaagaaa agagctagtt taaagaatgg tacttgggaa 480
actcctccaa gtcacaaatc tcatcancat caacatcata atcatcatca 530

<210> 9797

<211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-086-Q1-E1-H2

<400> 9797

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 ttagagcagt ggtgcatgt gaagcacaat atgctttgct gcagaagctt gttgatgatg 120
 acttcttaac gaaagatgaa agagatatac ttcggtgggg aaaaaacgta ggctcggtta 180
 aaacacggtc aactagacgt gccggtgttg ctgtttataa caaggcctca tcattggaaa 240
 cactaattgg gtatttgtat ctatcaaacy ggaaaagact ggaagaaatg atgcagaagc 300
 taggattctc aagtggttct tcaacagaga gaatggtaa ggaagctggc tcaaacaaan 360
 catccttcaa ataaacttac tatattgtag ttacagtctg tatcattaaa aatgttttga 420
 atatatanaa ttttttttaa caaaaaana nnaaaaaaaaa agggcggggc gtcctaaaag 480
 attcaaacct t 491

<210> 9798
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-G4

<400> 9798

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 gctcanaaga ctattactta gaagagaatc gatcagatat gatttttagcg catcttccaa 120
 gattccatct ctcaatctc gcgaaacctt cttctctctc ctcttcttcg catttcagtt 180
 tcttaaacc taagccttcg gtaacagtat ctcgaacct tttctcattc gcgtctaaat 240
 cgaatctcgc cactgttgaa cccataccat tatcggctc agattcaacc gatttggatg 300
 atgcacctgt cgagattgcy ctcgacaagc tttttattcc gccggagacc gatatatccg 360
 gtgaagactc ggcgagttta acgacgagga tacttaaggg ttcgaatatt gtgctgagca 420
 agtacncgag ggacgcanag gtggttcngg ctgattatgt gaagagtagt gtcnagacgg 480

gaggattgtc gggncggatg gggtt

505

<210> 9799
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-G5

<400> 9799

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tgaataatcg atgtctgctt catgtgcttt aacaccgtct gttaggacag agttattcag 120
ttcatcatca tctaaaagat caatctttcc tgctagaatt tgtcgaccaa gaaacaaatg 180
tgaaatcagc agaagggatt ttgcaattag gggagggatt gttgcttctg gagtttcagt 240
catggatact tcttctgctt cttctcagtc tgttcaaggt agtgagaggt tggcttttaa 300
accagaaggc tataactttt gggaatggag aggtcacaag attcattatg ttgttcaagg 360
agaaggctcg cctctaagtt cttattcatg gttttgggtgc ttctgtcttt cattggaggt 420
ataacattcc tgaattggct aagaaataca aggttta 457

<210> 9800
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-G7

<400> 9800

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ggagaacgtg gtgttgagcg tggaggagaa cgtggtgatt tcggacgagg attcggaggc 120
cgtggaggtc gtggagatcg tggagggcgt ggacgtggag gccgtggtgg tcgtcgtgga 180
gggcgtgcca gtgaagaaga gaaatgggtt ccagtgacca agcttggtcg tctcgtggcg 240
gctggtcata tcaagcagat agagcagatc tatcttcatt cactcccgtt taaggagtac 300
cagatcattg atatgctcat cggccaaca ttgaaggatg aggtaatgaa aatcatgccg 360
gttcagaaac aaaccagggc tggtaaaagg actagattca aggcctttgt tgctggttga 420

agatggtaat ggtcatgttg ggttgggagt gaaatgcc

458

<210> 9801

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-085-Q1-E1-G8

<400> 9801

aagtttgatt tatttagaga gataagttaa aaaaaaatg gtcggtatgg atttgttcaa 60

atgtgtaatg atgataatgg tgttggttgt ctcttggtg gaagctgttt ctggagctaa 120

gttcgatgag ctttatcggg caagctgggc tatggatcat tgtgtcaacg aaggcgaagt 180

cacaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa gcaaatactt 240

gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcagcag gaacagtcac 300

tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttcgattttg agttcttagg 360

gaacactacc ggcgagcctt acatagtcca gaccaatata tacgtgaacg gagttggaaa 420

caga 424

<210> 9802

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-H1

<400> 9802

tacngccccg gaattccccg ngtcgaccca cgcgtccgca caatctcaca gcaaagcctc 60

tcgttgctaa gaggaatcaa acaatggtgt ttgtgaagtc caccaagtcg aatgcttact 120

tcaagaggta ccaagtgaag ttcaggagaa gaagagatgg aaagactgac tacagggcaa 180

ggatccgtct tatcaaccaa gacaagaaca agtacaatac tcctaagtat cgttttgttg 240

tccggtttac caacaaagac atagtggcac agattgtatc tgcaagcatt gctggtgaca 300

ttgttaaagc ttctgcttac gcacatgaac tgcctcagta tggctcact gttggtctta 360

caactatgc tgcaagctta ctgtactggc cttctttttg gctcgccgtt gttttaaaag 420

atgttgggaa tggntnacga agtatgaggg aaacgttgag gccactggag aaaacttttt 480

ccgtttgagc naaactgaat tcaa

504

<210> 9803
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-H10

<400> 9803

tcgtcagccc gncccggtcc aaantnaacg ggtccagcca cgcgtccggn ttaanttgga 60
gcactgaatt gttcttctgg atttggtatt aatttggaac catggaagca gaaatcttca 120
ggaatcttct tggcttgact cataaataaa aaataagggt ttggaatgtg aaagtttaat 180
ctttgaacat tctatttaca agaagtgtag gaaaggatta ctttgtgatt tggatccttt 240
tctacacttg ttagtttgtg attttgagtt gtggtatttg gtgttttgtt atgtagcaga 300
tcaaataaaa gaccacttta cctgcaaaat gacgagatcg tgggtgcttt tgtttgttct 360
tatgttcatt gtgttgactt ctgagtttga gtggaatgaa caagttgaga atgaaagtga 420
gactagtagt cngtcctctg attctttcag ataaagagca acaacatc cctcaaggn 479

<210> 9804
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-H11

<400> 9804

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agaaaaatcc aagatttact aaaaaaccac tatctctctg ctcttcctct gtctacatta 120
atgtaatddd gatcatcgga ttgggtgaaa gaaacatcaa actcctaaaa gagaagcctt 180
taaagttttt ttttaatcaa aaacaaaagg aagaaaattt tcctttttgt tttagatggc 240
atgaatcatc atcatcgctt tgctttcttg attctctatt tcgtttgatg ggatttggtt 300
ttctgggaat ttattcattc acctgctgcc atggctaaat tatctttcaa ggattctctt 360
aaagctcttg aagccgatat tcaacacgct aatacactag cttagatta tcctcgggag 420

aagggatgga ggcgcggttc agatgagatt atcatacagc ccgactgct

469

<210> 9805

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-H2

<400> 9805

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gataaaaggt ttcgctatgg aaacactaaa acgaagctca aaagtatggc tacaagagct 120

tcgttcaaac ctaaacattt tctggggaac aatcgaatcc gaaatctcca aaaacggtgc 180

cgcttcatat atcttccctc tccaacgttg catcttcagt ttcctctgcg cctctctcgc 240

cggcgttgac gcttccgtat cgccggacat cgctgagaac ggttggaata caatcaatac 300

ttggcttgcg ttgcaagtta ttccactgc taaacttggc gtagttcttc aagcctcttg 360

aagagatatt acttcatact tggccttata cttctctctt aatcgccgga aattacaaaa 420

agctttacaa tttcatcgac gagaacgccg gagantgtcc ccggttaggt caagaagaat 480

tcgggttgac ccnagatg 498

<210> 9806

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-H3

<400> 9806

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attatttatt agctgaggta atggaatcac ttcataatac aagaggagtt cgctcgtgtgc 120

tctttagaac atccaacacc gacaagcggc ttatgtttta gaaagagttt gattcaagct 180

ttgctgggtt catgaccgat ggggctaaat ggttggttga gaatacagac atcaaactta 240

ttgggcttga ttatctttca tttgctgctt ttgaggaatc acctgcaaca cacagggtta 300

tacttaaagg acgggatata atcccagtgg aagcgctgaa gctggatggt gtggaggttag 360

gaacatactc gcttcattgc ttaccgctga gattagttgg agcggaagga gcaccgacaa 420
gatgcattct catcaagtga ttcagttctt cttcttcttc ttctgtgtaa gttgttcagt 480
ataccaaact ggataatgna taatat 506

<210> 9807
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-H4
<400> 9807

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gggactcccg ggaacgaaga tggcgatggc atcattcggg cagctaaatc tcgaggaacc 120
tcctccaatc tggggatctc gcagcgttga ttgctttgag aagctcgaac aaattggtga 180
aggcacttac ggtcaagttt acatggctaa agaaatcaaa actggtgaaa ttgtggctct 240
caaaaagata cgtatggaca atgaaagaga agggtttctt ataacagcta ttagagagat 300
aaagattctg aagaagcttc atcatgaaaa tgtcattcag ctgaaagaga ttgtgacttc 360
accaaggctg ggacagggat gaccaaggaa agccagataa taacanatac aagggtggca 420
tctacatggt ttttgagtac atggatnatg attttgactg 460

<210> 9808
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-H6
<400> 9808

taaaangtcc gaaattcccg gggtcgnccc acgcgtccgg aaagaaacac gttaatttga 60
gagtttgtca ttgaatatct ggtttgcaat ggaaagagat tttctgggtt tgagcgacaa 120
gcagtatcta agtaataacg ttaagcatga ggttaacgat gatgctgtcg aagaacgagg 180
gttaagtacg aaggcagcta gagaatgggg gaagtcaaag gtttttgcta cttcaagttt 240
catgccttct tcagatttcc aggaggctaa ggcgtttccg ggtgcatacc aagtggggat 300

cagttttctgc ggccaatggt ttccgcagat gccaatattgg tgggtgcgttt caaaacgcga 360
 cgccgcgtttt actaggcgggt tcaattcctt taccaactca tcctttctctt gttccacgag 420
 tggtttctctc cggatnatct cctcaagctc acaatctttt aatggcgggga ctaataagcg 480
 tccttttaa 488

<210> 9809
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-H8
 <400> 9809

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 agactacgca caacgtgtat gggccgaagc ccctgatgag aagtacgagt gcgagtttga 120
 gatgcctgaa gactttggac cagtgggagc catcaagatt cagaaccaat accatcgaca 180
 gttgttctctc aagggggtag agcttaaatt acccgggcggg tcgataacgt ttacatgtga 240
 gtcattgggtg gcccccaagt ccgttgaccc aaccaagcgg atattcttct cgcacaagtc 300
 ctacttgctt tcccaaacac caagagcctc ttaaaaagta tcgaaaagag gagctcgaga 360
 ccttacaagg caagaaccgc gaggaagttg gtgaatttac caagtttgag cgcatttacg 420
 actatgatgt gtacaacgat gttggtgacc ctgacaatga tcctgaacnt gctcgtccgg 480
 taattggagg ctcacacatc cata 504

<210> 9810
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-086-Q1-E1-A11
 <400> 9810

gantccccggg tcgaccacg cgtccngaga atttgggtccc cttggcacgt ataaacccta 60
 gcagagacat taaaccctga aagtaattag ggatcactgt tctccggctc cggcgaaaaa 120
 atccctcgaa atcgatccta acctcaattg attgaaggaa gttatgtatt cgcttttcgag 180

gattctccaa aggagtcaaa gatataactt tgcaccttct tcgtttggtg cggtcagtaa 240
 attagaagta tcaagtgggtg gtgataaaga acgggtcttt aaatcatttg gattgattta 300
 tagcaaacct caaggttttag tcagacttta ttccgcaaga gatgtgtttt cacggttctt 360
 tggcatccac aagctttctt ctatagctga tgctaaagat aaaggagatg angtagttag 420
 ggaagangag ctgtctgaat ca 442

<210> 9811
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-G3

<400> 9811

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 ctgaagatac tctctcctcg aatcctctat tgcagaattt tgacttcctt ccgtttgact 120
 ccgttgatgc tcaccatgtc agacctggga ttctgtctct gttgcagcag ctgcaagctg 180
 aattggagca gctagaaaaa gctgtagagc cttcatggcc aaaactagtg gagccattag 240
 agaagattat tgatcgggta tctgttggtt ggggaatgat caatcatctt aaggctgtca 300
 aggacacacc tgagcttcgt gctgccattg aagaagttca gccggagaag gtgaagttcc 360
 agctcagggtt gggacaagag caaaccatt tacaatgcat ttaaggctat tcgagaatct 420
 ccagactgga attcattgag cgaagctcgt caacgattan ttgaagccca aataaaggag 480
 gcggttctga nttggtattg cccttga 507

<210> 9812
 <211> 222
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-E7

<400> 9812

acgcgtccgg gnattcacca cgcgactgat cttaaaaaac tacatggnta tgcctaangt 60
 caanactgtc ggttcgattg aagctatgaa ggttttaaaa aaggattttg ttctgctttt 120

ttgtgtttac ttaaaggtat agatcngtgc aagagattgt atgtgacaaa ctgattatga 180
ntaatatcta tnattacatt caatanaaaa aaaaaaaaaa gg 222

<210> 9813
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-E9

<400> 9813

ngttatctgc cggcccggtc cgaaaatanc cgggtcnacc cagcggtccg cggatggggtt 60
ctcagatcac acacaaccaa ccatctcttc aagaagcaat caggtaagcc agcgggaatcc 120
gaatgtctct acgcaccaag aggtttgaat ccagattccg ctggcttacc tgatggcttt 180
tcagatttcc ggatgggttc tcagatcaca cacaaccaac catctctctca gaagcaatcg 240
ccgcggtcttt tggctcttat tcccttcgaa tccgcgtatg aaggatacgg ttcttatacg 300
caattgggtg atactctttt gggatttgag agtaagtctt gtagaggcaa attggttaag 360
ggagaaattg gagtgggtta ggatgaagaa cgagtctcct atggtgagga ctaggagtag 420
ttctcgtgta tctaaagttt ctgttaaaaa ggaagaacct gaanatgatt cccttcagtg 480
att 483

<210> 9814
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-085-Q1-E1-F1

<400> 9814

tgaagaaagg cttctctaata atattgacgg ccacttgcag ataatcatcg agatgaagaa 60
cagattccga atttgaagta attcctaaac catctaacaa aagtcttgta tttatctgca 120
cctgggggctt tagttatatg atgggttgct cagaagtttt ttgttggtccg ttttgcaatc 180
cacttcgata tgattacttt ctccaagtat aacagtgtca ttgggtggtgg gcaatggact 240
gtatgcctga taaaatctct gatcttgcac ctttggttggg gacacagtga aaaccaataa 300

tatgtacatt agtattttct tccttgccg ctgcttttta catgctaggt aaatgctgct 360
ctatttgctg aagagaaaca atgtgtcagc tgccatgttt gtcctggga tggggatatat 420
gagactgcac aacaacc 437

<210> 9815
<211> 479
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-F10
<400> 9815

tttattcgnc cggccgcggt ccaaanaacc cgggtccacc cacgcgtccg gactttgttc 60
tgtttctctg cgatttcttc gatgttcctc ttcttcgttt tgattttcag atttgtttaa 120
ctcggtcggt gcgttgactt caaatttctt annnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
ttcagaaaat ctgtcagact tgggatcttt ctcggcaatg cgacgcttgt tcgccgcgaa 240
atccctctcc cgagaggata caaccttttt gtcattctct tcttcttcgg tgacgcgttt 300
cctcaaggct cttcttcctc tccgttcaga tccaagagat gtccgctaata tctcatcctc 360
ctaattccaa aaacgtcctc tgtaatgcag ccgccgggtgc cgccgccggg gttgttgcg 420
ctacgtttgt gtgtcctctt gatgttataa aaacgangtt tcaagttcaa gggctgcct 479

<210> 9816
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-F2
<400> 9816

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gcgtccggaa aaaaggaaaa gaaagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnggatna gcctttgaag actttttaaga ggaaatttcg 480
 gttgccggga atcgatagat aangatt 507

<210> 9817
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-F4

 <400> 9817

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 tcgagtttta cttaaggatt tatctgaatc ttcaagcgca tgtaaacgca ataatcggaa 120
 gcggtgttaa aaactcatct gcgtttctta aagcagctac aacaactttg ttgcatacta 180
 ttagtgattc tgagaaatct tcttatgttg ctcatatcaa taattatctc tctggagatg 240
 agtttctaaa caagtgcctt ccgattaatc cgtcttcgaa tgatctattc gaagttgcaa 300
 aagatggtgt tttgctttgt aagcttataa atgtggcggt tcttgggaaca atcgatgaac 360
 gagcgattaa tactaagagt atgcttaatc catgggaaga gaaatgaaaa tcatacgctt 420
 tgtcttaact ctgccaaagg ctattgggtg tactgtgggt aatataggga acacaagata 480
 tccatgaaag gaaaggcgtc atctt 505

<210> 9818
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-F6

 <400> 9818

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 ttgttcttct ggatttgta ttaatttgga accatggaag cagaaatctt caggaatctt 120
 cttggcttga ctcataaata aaaaataagg ttttggaaatg tgaaagtta atctttgaac 180

attctattta caagaagtgt aggaaaggat tactttgtga ttggatcct tttctacact 240
 tgttagtttg tgattttgag ttgtggtatt tgggtgtttg ttatgtagca gatcaaataa 300
 aagaccactt tacctgcaaa atgacgagat cgtgggtgct tttgtttggt cttatgttca 360
 ttgtgttgac ttctcagttt gagtgggaatg aacaagttga agaataaaag tgagactagt 420
 agtcgtcttc tgattctttc agataaagag caacaacata tccctcaagg caaagaatct 480
 gtt 483

<210> 9819
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-F7

<400> 9819
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 aatttacaaa gttttgagtc agtagagaaa tggcggggaat cgtgacagag ccgtggtcag 120
 tagctgagaa cggaaaccca agcataacgg cgaaaggatc gagcagagaa ctaagacttg 180
 gaagaaccgc tcacaacatg tcttcttctt ctttgaggaa aaaatcagac ctccgagtga 240
 ttcagaaggt tccatacaaa ggtcttaaag attttctctc taatctccaa gaagtcattc 300
 tcggaacaaa gcttgccatt ctttttccgg ccattctgac cgccattatt tgcacctatt 360
 gtggcgtcag tcagccttgg atatttggga cttagcttgc taggactgac acctttggct 420
 gagcgagtca gctttttgac aagagcaact aactttctac 460

<210> 9820
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-F8

<400> 9820
 tcccgggtcg ncccacgct ccggaaaacg gtgaaagtag cttgtagtat ttggcatacc 60
 gcagcgattg tcgaggttat gggtaaacc gctacgagta tgtcatctag gaagttgttt 120

acttgggggtg atgggtgacaa aaacaggttg ggacacggaa acaaagagac ttacttgctt 180
ccaacttggtg tatcttctct tattgactac aactttcata agattgcttg tgggcataca 240
tttaccgtcg cactcacaac ttctggacat gtttttacta tgggtggtac cgctcatggt 300
cagctaggta actcaatctc tgatggtaaa ttaccatgct tggttcaaga tagattagtc 360
ggagaattcg tggaagaaat cgcgtgcgga gctcaccatg tcgcggtttt gacatctaga 420
agtgaagtct tcacgtgggg aaaaggtcta atggaagatt anga 464

<210> 9821
<211> 474
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-F9

<400> 9821
cgggtccgaa aatnaacggg tccanccacg cgtccgaaaa aaaagaaaac aaaaaaatca 60
aaaaaaatta gaaaatgaaa gcctcaacaa gagtcatatg gacaatatct gtccttatgc 120
tcgtgtgtgt gtccgaggcc atcttccctc taccgtttct accgttcctc cctgggttca 180
acaacggctt tagggacaat gaggtgtca aggttgcgaa accacagcct gcaggagcag 240
ttggtggaaa agccgcaaga aggcagcgtg gcggcggttt agacgctcag acaacctggg 300
gtggtgaagtg ggagctcttc ttggaaaact cgggtgtgtc agggatgcat gcgatcctta 360
tgccaagtta tcaacaaggt ccaagtacta tgacgccacc atttgggaga atttcaaaga 420
ttaagttgcc tccaaggcgt accatgccaa tgtcgtggga cgctaagact aaca 474

<210> 9822
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-085-Q1-E1-G1

<400> 9822
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acttccctcc gtttgactcc gttgatgtc accatgtcag acctgggatt cgtgctctgt 120

tgcagcagct cgaagctgaa ttggagcagc tagaaaaagc tgtagagcct tcatggccaa 180
 aactagtgga gccattagag aagattattg atcggttatc tgttgtttgg ggaatgatca 240
 atcatcttaa ggctgtcaag gacacacctg agcttcgtgc tgccattgaa gaagttcagc 300
 cggagaaggt gaagttccag ctcaggttgg gacagagcaa acccatttac aatgcattta 360
 aggctattcg agaatctcca gactggaatt cattgagcga agctccgtca acgattagtt 420
 gaagcccaaa taaaggaggg cggttctgan tgggtattgc tccttg 466

<210> 9823
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-G10

<400> 9823

 tttatttcgn ccggccccgg tccaaantaa cccgggtcca nccacgcgtc cggnttttca 60
 cttctaagat gatgatgact ccctttgact ctgattttct actcgtttagc cctacgtcta 120
 tactcgaagc taaccatcc atcttctcct ccaaaaaccc taaaccggtt tcctatttcg 180
 agccaactat ccctaattccc cagcgttttc actctccaga cgtctttggc ctagccgatc 240
 tcgtgaaaga cggagacagt aacagagacc actctagaaa acctgtcaac aagatgggtcc 300
 ttttcgggtc aaagctcaga gtccaagatc ccatcatcag ctgatttttg aactaaaacc 360
 ggcatcagat atcctccttg tcaacttagt ccttgtgtcc aaacgaaggt cttagcagtg 420
 agcgagattg accaagacgg aggactacac gcgcgtcatc tctcacggtc ctaacccaaa 480
 catca 485

<210> 9824
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-G2

<400> 9824

 tacctgtnct acgggaccga nattccannt cgccccacgc ctccgcccac gcgtcaggat 60

aaaatcagtg actcttcggt cgtttcatct cccanttgag tttaacgaca ccaaattcgt 120
 ctcaaggcct tgtttcctgg cgagatcctt cccggtgggt cgttggtcaa gcaccatgag 180
 acgtacctaa ngcttgaact cttcanccgc ggaaaattcg accggattct tcaagatccg 240
 ccacttattg aaaaagccga anccgaactc tcagattact gttcnacgct tgaaggtgat 300
 gactcttaca gttgctggga gagcttactt tgaactcaaa gatctcgaaa gagataatcc 360
 aaagggtgaa agttgagaat ttgattttgc anacangtgg tttgaaatcg ttnancgggt 420
 gtttacatgg agttgcntca atggaganng atnncannan ccaacaatgg tttacatgta 480
 gggngaagaa tcagatagag a 501

<210> 9825
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-E2

 <400> 9825

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 caaaccttaa tctcatttct ggtaaattcg attttgggaa actctaattt gatctcgaga 180
 tcgctaacaa cgatggaaga agacaagcaa atgcacgagg agaaatcatc tctggttaaa 240
 gaagaaccgg ttcgtggaga agagcccag attgagaaat tgacagtggc agatgtggac 300
 gcgccaccga agagtaccgg tgggtgggggt tggggtttct ctggcttctc tgtgctttcc 360
 gatctccaaa aagctgcgga agatatttct cgtaatgctg cagcgggtggc agagaaagca 420
 gcgaaaagca ttgcagagat gggagaagtg gatgaagact ctgaatcttc tgctaaggaa 480
 gaagagaana actgaagaag ctggatacaa 510

<210> 9826
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-C10

<400> 9826

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aaaacaacgt tctagtgatg tcaaaaaccc tgagcgatac ctcttgaatc ctgaaaaccc 120
ttactttgtg caagcgggtga caaaaaggaa cgacgttctg tatgtgagcc gaccggtggt 180
tcagagctat cgcttgaagt ttggtccøgt taagtccacc attacctatc ttcttcccgg 240
ggagaaaaaa gaggaaggcg agaatagaat ctataacggg aaaccttggt tcagtggctg 300
gtcggttcta tgtcggaggc acaatctgaa tatcggagac tccgtgggtt gtgaacttga 360
acgctccggg ggtgtgggta ccgctgtaag agtgcatttc gtcaagaaag actagaccaa 420
tcctctctag taacaacaat atgttattta caactttctg taacaatgct aaatgtg 477

<210> 9827

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-C11

<400> 9827

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ctcatctthc tctctaagag atthttgtang tgacaatcaa aagthttgaca aaatggtgaa 120
gtttacagct gatgagcttc gaaggattat ggactacaaa cacaacatcc gtaatatgth 180
tgthattgct catgtcgacc acgggaaatc cactcttact gattctthtgg ttgctgctgc 240
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ggctgaacgt ggtatcacta tcaagtccac tggtattthc ctctactacg agatgactga 360
tgaatccttg aagagththc ctgggagcca agagacggaa acgagthacct catcaatctt 420
attgattcac ctgggcacgt tgactththc tctgaggthc ctgctgctct ccgtattact 480
gat 483

<210> 9828

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-C8

<400> 9828

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acccgaaaac aaagaacatt cgtctctacg tgaagcgtgt gtttatctct gacgattttg 120
atggagagct tttcccgaga tatctgagct ttgtgaaggg agttgtggac tctgatgatc 180
ttcctcttaa tgtttctcgt gaaattctcc aagaaagcag aattgtaaga atcatgagaa 240
agaggctcat tagaaaaacc tttgacatga tacaagaaat ctctgagagt gaaaacaaag 300
aggattacia gaaattctgg gagaactttg gtagattcct taaattgggt tgtattgaag 360
acaccggtaa ccacaagcgt atcacaccgc tacttagatt cttcagttcc aagaatgaag 420
aggaattgac aagcttggga tgattatata gaagaac 457

<210> 9829

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-C9

<400> 9829

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caatttctct cctcctctat taaatctttc tcaatcatct ttctttgagt cttttgcctt 120
ggaatcctga tcatggcgtc ttctctcact tccaaatcca ttctcggatg caccaaacc 180
gcttcttctt cttttcttcc gtcggagctc cgtcgtctct cttctccgcg cgttcagata 240
tctctccatt caciaaccag gaagaacttc cggcagtcgt ggggattgaa gaagagtgat 300
ctgatgctaa atggttctga gattcgtcct gtgaagggtta gggcttctgt ttccacgggg 360
ggagaaagct tcngagattg tgcttcaann ccattagang aaatctcggg gtctcattaa 420
gcttctcggg gtccaangtt ctctnnccaa atcgaattct gcgtctcg 468

<210> 9830

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D10

<400> 9830

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnctcca ctttcctctc acatctcttc 180
gtctcactcc aaccacaaac tcctcctcct tcaaaacctc cctcctttct cgccggaacc 240
catctccgcc gtcgtctccg tacactttcc gatcaaacat caaatactca atggctctaa 300
tcctctcttc ttcccatagg aacaccatct cagtcacaag agctagtctt tgacaccgga 360
agccaactct catggatcca atgccatccc aagaaaatca agaaaccact tcctcctcna 420
acgacgtcgt ttgattnctt ctttatcttc atcgttctcc gacntacttg ggctcatcct 480

<210> 9831

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D11

<400> 9831

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gcgaaaaccg cagtttcagt ggaagaaagc gttgttcgtg tacaagctat tgcagatgct 120
gctcgtagat tcaaccaga cattatcgtc ctctgccacg gaggtccgat atcgggtcca 180
gaagaggcag agtttgtgtt gaagagaaca cagggttgtg tccatggctt ctacggagca 240
tcaagcatgg aaaggctacc tgtagaaca gcaataaca aactgttca aaaatacaag 300
tccatatcga tcaagtgaag tcaaaataat aagttcactt agaaacctt atctttggtg 360
tttctaagta tatttgcagt tggtgtggcc taagggtgtg gatgtttcct tttgttgc 420
ggtttttttt ttctggatcat ctttgattgc ctctgcanga tcttaatatg atctccaagt 480

<210> 9832

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D12

<400> 9832

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ctttactgca gaaggatctt gaagtgggta atgggtggg agaacgcaaa cgtctgttga 180
acatagcaat gcaattgcgg aaatgctgca atcaccctta tctcttccag ggtgcggagc 240
ctgggtcccc atatactaca ggagatcacc ttgtaacaaa cgcaggtaag atggttctct 300
tagataaatt gctacctaag ttgaaggatc gagattcaag ggttctgata tttctcagat 360
gacaaggctt ttggatattc tcgaggatta cctaattgat cgtgggttacc agtactgccg 420
tattgatgga aatactgggtg gtgacgaacg agatgcttcc ataga 465

<210> 9833

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D4

<400> 9833

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nnnnnnnnnn nnnnnntggc aagaatttca ctagggatat gtctgatgtt agtagtagca 120
tcaagtgtga tctatgaagc gcaaggaacg ttcttactaa accattactt gaagaagaat 180
tttccaaaaa aatgcaacga gtttacgcct tacgctaaca agggtatgat aacgttggtg 240
accgatctcg aaggtagcag tccggccact acagagttca agactttctt tacacagttc 300
aagtcttaca tgtctttcat cgagacaaca tcggcctcaa caaaaaatgt tgatgccgag 360
atgacagcta aatgtgacgg tcttttcaag gccatgtctg cattgagtgc tagtaaaggc 420
gtcaaatcan cggatgctgg gagtatgaag atgancatgt tgt 463

<210> 9834

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D5

<400> 9834

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tctatattct tcttcgatct aaccaccgcc gatgaatcgc cgatgatttt ccctcttagc 120
tactcttctt taccaccgcg accgcgagtc gaggattttc gccgccgtcg ccttcatcaa 180
tctcagctcc ctaacgctca catgaaactc tacgatgacc tcctctccaa cggctactac 240
actacacgat tatggattgg aacaccacca caagagtttg ctttgattgt tgatactgga 300
agtactgtta cttacgttcc ttgctctact tgtaaacagt gtgggaagca tcaggatcca 360
aagtttcaac cagagttatc tactagttac caagctttga agtgtaatcc tgattgtaat 420
tgtgatgatg aggggaaatt atgtgtctac gaaagaaggt atgcggagat gagttcgagt 480
ancgggggtt tgagtgaaga tt 502

<210> 9835

<211> 487

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-085-Q1-E1-D7

<400> 9835

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tggtgaaatc gattctcttc aaagatcgtc ttcctaata ctttcaacaa ctcgatcaat 120
ccttactgag acgatgccga agaacaaagg aaaggaggga aagaacagga agagaggaaa 180
gaacgaagct gatgacgaaa agcgagagct tatattcaaa gaagatggac aagaatacgc 240
acaagttctt cgtatgctcg gtaacggtcg atgcgacgtt atgtgcattg acggtgttaa 300
gcgtctttgc catatccgtg gtaagatgca taagaagggt tggattgctg ctggtgacat 360
catacttggt ggtctaagag attaccagga tgataaagct gatgttatac tcaagtatat 420
gtctgatgag gctangcttc ttaaggcgta tggatgaagct tccggagaat actcgtctta 480
acgaaag 487

<210> 9836

<211> 500

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-D8

 <400> 9836

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 gcttgcccta gccgaatctt ccttattctg atgattacta tgtcttcttc gtctcctcct 180
 ttctgttccg gtggaagtcg gaaggagctc cgagataaag aaattacgag taagagtgat 240
 gatacacagg cgagttatgt tttaggatct aaatttgtgg acccgacacg tgttcttcaa 300
 ctttcatggc taccaaggtc aggtacttct gattgatatc tggttctacc atcatggatc 360
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 ggtatgtata gggcttttct ataccgcggg ttcttgtcgg aggaagagtg tgatcatctg 480
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<210> 9837
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-E10

 <400> 9837

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 caatcccaga tctgaatctc aacctaaacc tcagattcat catcatggct tcttcttcta 120
 actacgatgg aatccttctc ggtatgggta acccactcct cgatatctct gccgtcgtcg 180
 acgacgaatt totcaccaaa tacgacatca agttgaacaa tgcgattctc gcggaagaca 240
 aacatttgcc catgtatgat gagatgagta gcaagttcaa tgttgaatac attgccggag 300
 gtgctactca gaactcaatc aaagtggctc agtggatgct tcaaattcct ggggcaacca 360
 gttacatggg atccattgga aaggacaaat atggagaggc catgaagaag gatgctacag 420
 cagctggtgt taatgttcac tattatgaag atgagtcngc acctactgga acttgtggtg 480
 tct 483

<210> 9838
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-E12

<400> 9838

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 caactgcttg tgccacaagc aacttttgca ttctgaattc agcaaaccac attattaaag 120
 gtgaagctga tgtaatgctc tgtggtggct cagatgcagt tattattcca ataggggttg 180
 gaggttttgt tgcattgccg gctctttcac aaaggaataa tgatcccaca aaagcttcac 240
 gtccttggga taccaatcga gatgggtttc tgatgggaga gggagctgga gttctacttt 300
 tggaagaact cgagcatgct aagaaaagag gtgcaactat ctacgcagag ttctctcggtg 360
 ggagtttcac atgtgatgcc tatcacatga ccgagcctca ccctgatggg gctggtgtta 420
 ttctctgtat tgagagagcg ttagctagtg ctggganttc caaggaacaa ataa 474

<210> 9839
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-085-Q1-E1-C1

<400> 9839

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 ggctcgaagc ggagttggct agggtttcac ggtgggtcac ggctgccact tctattgatt 180
 ccgagctgat agatgatggt ggctcgaggt caatcgtgcg tatgggtttg cggctccgat 240
 catccctgtg acggaaatcg agcggcggat cccgcagctg aggggtgatg acggctatcg 300
 tcggaggtat ttctgtctcg ctttctcttt tcgggagttt catcgacggc ggttcatgtg 360
 atgggggttag gtctgcggt aagatacggg tcctccggct tcggggattg gtggctccgg 420
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agagaatat

489

<210> 9840
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-F6

<400> 9840

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acagatgcac ccggtcgatg ttcccaatgg gtggataaaa gatgttacgg tggagattct 180
tccaccgaac cctatatcgt tgcgcataac cagcttcttg ctcatgccac ggtcgttgat 240
ctatacatga cgagatatan gtacatgga gggaagattg gccctgtgat gatanctana 300
tggtttctac catatgatga cactctanag agcaagacan gcaacttgga gggccanaga 360
attcttcttg gggatnggtt catgggagcc gctaacancn cggtagatac catacatcat 420
gnngaaaatt tgtttggaan ncnngcttcc annagttcna gnagcancag ataggtcgnc 480
ccttttaatg g 491

<210> 9841
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-F7

<400> 9841

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ggaatcga aaatttgtaac ttccggtcag aattatattg ttacgtggg acaaagtcac 180
gtttctacac tccattcttg cgaagaagtt gatctttaca tggatcaatc ttcaggtggt 240
gggttcgaat ccaaggacgc ctacggatca ggtctctttg aaatgagaat caaactgcct 300
tcaggaaata ctggcggcat cgtcaccgct ttttacttga cntcgaaang acgtggtcac 360

gacnnagatt gacttcgagt ttctanggaa caancaacgg aaaaccggta acgttacagg 420
acaanatctg tttcnaaaat gganaacgga cacagagaat agaggntt 468

<210> 9842
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-G10
<400> 9842

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tgatgtatgc ataactggaa ctatgttttt gaaccctgcg tatttagtgt ctgctaaatt 180
ctaccgattt gacacaatgg gatagggtaa atgaataaaa gtgcaaagta tagttactta 240
tctatgactt atctggtgcc attacttata attttaaata attggtagtc ccacacatga 300
atccttatgc tttcttacan caataacctt cattttctta aagctgacac atattttctt 360
cttgacttct attgctaact gcnanttgt tctttgctac aattctaaat atgcttaaaa 420
tgggtatcact tttctcttag tcatttannt atcttactcc ctcgccctc aaatctttac 480
nat 483

<210> 9843
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-G4
<400> 9843

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cttgatagct tcaaagctat gttccgtcga ttctctgtg tatgaccac acaaaacctt 120
gaagcagcgg ttcgagaagt ggcttaaaac ccacagcaaa ttatatggag gaagggatga 180
gtggatgcta cggtttggga tatatcagtc taacgtccag ttgattgact acatcaactc 240
cctccacttg ccttttaagc taacggataa tagatttgca gatatgacca attctgagtt 300

taaggcccat tttctcgggt tgaacacgtc ttccttgagg ttacacaaga agcagagacc 360
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<210> 9844
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-G5

<400> 9844

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agcctcaccg tctcttttga cgagaaagat ctcaaggatt ttgtgactgg ttttcacaag 180
aggaagaaga aaagaagaaa ggaagctcag aagcagcagg aggaagcttt taggcggaaa 240
cgaatcgagg cccgtaagaa taggaaattg gaagagctaa tggttgctgg taatggcgag 300
gataatgaag atggggaagc tgaagatgaa gttggatgca gaggatgaag aagcagancc 360
tgatgccttc aacatctgcc acgacgatgt atgatacang cgagttgaaa agtaactgtg 420
a 421

<210> 9845
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-G9

<400> 9845

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taataagaaa aacaattatc tttgaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngaagt ggaagtggat aacaacaacg agaagccatc tgagattaac agtttccatc 180
acatgatcat aagtagtant aaaaatgtgt tgaaaatggn agaagttgag gtgagcaaga 240
agaggaaatt tcaganagat caatctgatg agttatcggt attacctctg tcaaaacaca 300
cttgttttgc caatgttgct tgttcagaga atacaantgg taactcggan attgntacag 360

gagtattcaa atgtcttctt atgtgaactc aacaacttct atggagtgt acaatgatat 420
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<210> 9846
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-H10

<400> 9846
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 ctctccggga tcacaagcca aagaaggatc gtttttcttt ggacttgaan cagcactcga 180
 ggggctcgag cctggatata ccggaggacc gcttttaaac ccattaggcc ttgcnaagga 240
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 gnctatgctc ggggttcttt gttcaagccn ctgtgactca cactggccct attgataacc 360
 ttgtngagca tctctctaata ccatggcaga anaccatcat tcaaagcctc ttcacctcta 420
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<210> 9847
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-H2

<400> 9847
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 tctgggcttt cgtgtctttt tgcgttttga ttggtaataa aaagaagctt tttaaaaact 180
 ttttccatgg ctggaagtga agaagttaat cttattgaga gcaagacagt gggttcctctc 240
 aatacatggg ttctaataat caactttaag ctagcttaca atctcctgcg tcgccctgac 300
 ggaactttta accgtcatct cgcanagttt ctagaccgga aagtcctgc aaatgncaac 360

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<210> 9848

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-082-Q1-E1-H3

<400> 9848

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aggcttcgga tgggtaggtg aatgggcaaa ttcaaggata gagtttggga aaggaaaagg 180

aaaaggcgag aacaacggga atccaacacg acttcagacg cttcatcatg cggataaacc 240

aatagttgat tcatatgtac tcgaactcgt tgtatggctt catcgactaa tgaagtcatc 300

aaagaaacgt gtcacggcg ttaagcttca agaaaccaac catgtctctc cacccaacaa 360

cagaaccatc tccaacacgc aactatcact cteccctgac ttcacctaca aaaaccagct 420

<210> 9849

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-082-Q1-E1-H5

<400> 9849

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cctccaccga tttggggatc tcgtagtgct gattgcttcg agaagcttga acagattggt 180

gaaggaactt acggccaagt gtacatggct aaagaaatta anactggtga aatcgtggct 240

ctgaaaaaga tccgtatgga caatgaaaga gaagggtttc cgataaccgc tatccgggag 300

atcaaaattc tgaagaagct gcatcatgaa aatgtcatcc atttgaaaga gattgttact 360

tctccaggtc gagatangga tgatcaanga aagccaca 398

<210> 9850

<211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-082-Q1-E1-H6
 <400> 9850
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 aggaacgata atagatggca gtgcatcatc aacaagtaca gttgattggc ttctacagga 120
 actgcttaaa gacaagctgg atacatggct gtcttcaaga tcatgtgatg aagattacat 180
 aacgtgttct ttgtcaaagc aggaacaagg tattatccat atgggtgcag gccttggctt 240
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<210> 9851
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9851
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 cga 483

<210> 9852
 <211> 501

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-083-Q1-E1-A2
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 ggaggaagag cgagtgttac caaagtcctt gnggtacata tcatgcctaa ttcatttggc 180
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 ngaatttgtg gcnatangat tatcgactgg ntaattgggg aatctgacaa cattcanccg 420
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<210> 9853
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-083-Q1-E1-A3
 <400> 9853
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 gaatagccac catctccgta gaaaacagta tacttgatag ctgaggaaca agagaagtga 180
 caagggtgat tgaaaagttg aaggactcag atgggaagca gaagcggaga acaaggaaag 240
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 anacctgatg gtactctccg gaaaccatt cggattcgac ctggatatac tccagaanat 360
 gaagttgtca aatatcantc caaaggttct ctgatgaaag aaggagatgg cctcaciaag 420
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 gga 483

<210> 9854
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-F5

<400> 9854

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cctctctccg tcgttggatc gatgtgatca aacctgacga agtttataac ctagctgctc 180
aatctcacgt cgctgtctcc ttcgagatcc ctgattacac agccgatgta gtcgcaaccg 240
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aagtattacc angccgatc ttcggagatg tttggatcaa nncctcctcc anaatcggan 360
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<210> 9855
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-C11

<400> 9855

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agaccttgcg ctagaagaac agtttcgggt ttgttttggt caattctcac ctcaccccg 180
acagagtcca aaacaacggt ttatttcttg cgtttgtcgg gaaatcagag ttgagtataa 240
taaacaccct tcacgacatt ctttgcttgt ccaccttgg atctgaaatt gggggactct 300
tattataaaa gatatgatga tttgttactc tccaattaca acatgttcta cgaatgctat 360
cantatcaan gaggcattta ggctctcgcc tctanggcgt tgtggctcac ggatcatcta 420
aattctcctg ctacagtctt ttatcaagga ctttcaanga ngacattata cccgggtttt 480
cgtgtaacgg tctcga 496

<210> 9856
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-C3

<400> 9856

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cattgaagtg aacagtcagc atcgttttgc ttgcttgtgc gtttctctcg aactctctcc 60
atggctgttg cgctccaatt cagccgatta tgcgttcgac cggatacttt cgtgcggggag 120
aatcatctct ctggatccgg atctctccgc cgccggaaag ctttatcagt ccggtgctcg 180
tctggcgatg agaacgctcc ttcgccatcg gtggtgatgg actccgattt cgacgccaaag 240
gtgttccgta agaacttgac gagaagcgat aattacaatc gtaaagggtt cggtcataag 300
gaggagacac tcaagctcat gaatcganga gtacaccagt gatatatgg agacactgaa 360
aacaaatggg gtatacgtaa tcttggggga aatttactgt gaaactccct aaaagcatat 420
ggt 423
```

<210> 9857
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-C5

<400> 9857

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acgcgtccnc gcctcttttc tcgactctct ctctttctaa caatttctct ctttctgcaa 60
ctgatagtta aaaagatatt ttgagacaac ccgattgata tggaaaaagt gagagagatt 120
gtgagagaag ggagaagagt ggcaaaagaa gacccgagga gagtagttca ctcgttcaaa 180
gtgggtctgg ttcttgccct agtctcttcc ttctactatt accaacctct ctacgacagc 240
ttcgggtgta atgcaatgtg ggctgttatg acggttggtg tcgtcttcga agttctctgt 300
tggggccacg cttgggtaaa ggacttaaca gaagtggggg caacactatt tgcggggggg 360
acttggnatc gggagctcat naantgggnc aacatgtctg gtccccgacag ggagaaccga 420
ntccttctcg gcaagtcggt tgt 443
```

<210> 9858
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-C7

<400> 9858

acgcgtccna gaaaccacca catagatgga gaagcagaag cgtttaaggt aactcaagtt 60
gaaaacagta aacatacagg cactggagt tggcttagga agcttcgtct ggggaagaag 120
aagatgaaga ataataagac agagcttagt tgcgaccag tctcaggatt tagtgatctt 180
actcggggaa tctttataag gtatcaggag cctgaagctg ttgagctcac taaagatgaa 240
agaatcacia gatctttcga gtttactang tattggttcc cttgtggtct gtttttttctn 300
ttctgtnttt ttcgggcaac gccttgtggt ctctgttttg ttgctttttt cctgcttctt 360
tcttcagatg caatggagct gcacacaca canntcatgg tgtgtntgta agttccnaaa 420
caaaaaaacg at 432

<210> 9859
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-C8

<400> 9859

acgcgtccna gcctttgctg ctgcaacagt tgcagtctct tcttcagtgt tacggattct 60
tattcttcag ccctaaaaat catcactttg gaatcagaag cttgaatgat ggaaggaaga 120
agaatcatag caaacctag accgtgtagc ggtagtagaa gagttattgc taagaagagg 180
tctcgtcccg atggattcgt caatagcgtt aaaaagcttc aacgccgaga aatctcttct 240
cgtatggatc gagctttctc aatcagcact gctcaagaga gattccgcaa tatgcgtctc 300
gtggagcaat atgatacgca tgatcctaaa ggatactgtt tagtatcatt acctaacttg 360
ttgaaaacga agcaaagttt attgagattg ttgcctgctc cgtgacattg tctttgctcc 420
tactctatcn g 431

<210> 9860
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-D1

 <400> 9860

 ttgtttcaca tcgtcgaagc aaaaatgatt atatatctaa tttcattact ccctatcatc 60
 gtcgccaccc tcatgcttta tcaacgatgg tggagatcca acataccgcc gggaccaaaa 120
 ccaaagtttc tgcttgaaa cttcatcaa atgaaaccac tttggacgca ttctttctcg 180
 gagtggtcag agacttatgg tcctatcata tcggtgtgga tagggtcaca agctcaactgt 240
 cgtgggtctcg agctctgatc tagccagana agtgttgaag anacanagan catcagttgt 300
 ctaaccgaca caggatcgca agggatgact cagaccgga antgatcttg tttgggtccc 360
 attacagtcc acattatgtg aaactgagga aactctgtac actcgagctc tctctccgaa 420
 aagc 424

<210> 9861
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-D12

 <400> 9861

 taccgatccg anaattcccg ggtcnacca cgcgtccgca nctctctcct ccgtcaccga 60
 gggagagcaa ccatgccaat ctcaattccc cttaacgcca ctctacaata cnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnccttac cggaattcgc cagcgatgcc tcaggatggc canttcttgc 240
 gtctccaacy ctcataaate cgtcctgaat ggtgccaccg antcntgtct ctgtcggcgg 300
 gnggggatgc atattcgtct tggncctcct agcnaaggac gcatngcgng ccgattcgtc 360
 ggatcttctc aaggattgcc aantgtttgt caaacaagtc aatccaagag aatatgttgc 420
 ncaaattcnt caattacca natactgaag tttggtttca aaaganccaa aa 472

<210> 9862
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-D2

<400> 9862

attctttacg tntgggcttg agtccacggt aaagccgaga cacaagaaga taatcaagaa 60
gggaatcaan tggtcattgg ctggtatgcn aaactgttca gatgagaagt tcgaacagag 120
aatgagctac gacacaatag atatagaaga ggtagaaact gatccatctt cttttgacat 180
gaatacattg atgcaacctn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnt ttgcataaac ccggagttca acaaaggaaa aggtcnaant 300
ncagacaatg aatcgtngaa caagcttcat cgtcctgatg tancatcatc atggag 356

<210> 9863
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-D9

<400> 9863

tttgccctgn ccgtaccgaa tccganaatt cccgggagna aactaagccg acacagcata 60
gtgtcaaggg gctacgagga ttgggcttga cgccggatat cttagcttgt aggagcacia 120
agccacttga agataatgtg aaagaaaaac tagctcagtt ttgccatgtc ccgcttgagt 180
atatcttcac tctctatgat gttcccaaca ttggcgat tcttttggtg ctaaaggatc 240
agaaagctca tctggcaatc tcaaaagtgc tcaatcttgc tagtattctt aatgagcctt 300
ctctagggga atggacttcc aagagctgaa ttatgtgaca atttacctgt gccggtgaga 360
atcgctgttg tggggaaata tacaggcctc tctgatgctt atctctctgt cttaaaggct 420
ctcttacatg cttctgtggc ttgtcgcaaa aagctcgtag ttgattgggt tccagcttgt 480
gatct 485

<210> 9864
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-E1

<400> 9864

```
tttngccagc cccggtccan ccaacccggg tcgnnccacg cgtccgagag aaacaaagca 60
atagaacaac aagaacaaga aaacagagaa aaaaacaatg gctgccttgt cggataagtt 120
agcggatgct taccagaacg caaggccgag atatccgatac gattggttca cgaaacttgc 180
tgctcgaacc ggtcagcaca aatcagcttg ggatgttggg actggcaacg gtcaagcagc 240
tattggtctt gcanagtatt tcgagaaagt tacagcaacc gacataaacg aagcacagtt 300
aanacgagcg gtaatnacac naaagaatca attaccatca cactcccata acantgtccg 360
aagaccaaat ggttgctcta agtcnggcgg acataactcc gttgatctaa tcnttggcag 420
cacaaanccg tncactacct ccgatctcgc cancaattct acaaacgt 468
```

<210> 9865
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-E3

<400> 9865

```
aaccaatcna atcttacgaa aattttcgag tgaagatgag gtcgcttcaa gcaccggttg 60
tttgccctag tgttcgctcc agacaattgg gtgtctctgc tttacttgtc aactgctctg 120
tttcgaaaac taggagtctc agaaaacaat tctggggtaa ccagaccaa aatgacaagt 180
ctcaggctgc tacagtgaat ctctgtctgc atcttcggag gtataagagt atcaaagtgc 240
ttttcagctc gcaactctgat ggtaccggna agcacagcag angaatttca acgagaacga 300
tgacgattat gtcaagtcta gttgtattgg gagctgttga ngtaaanact ggaccacatg 360
ggtttcaatg gtgnaaanat gaangatggg ganggcaaac ntcgatgtgt ccaacaanaa 420
tcctc 425
```

<210> 9866
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-F1

<400> 9866

```

cnccaaaaaa tttcttcttt agttctgagt ttttctctgt tctgaaaaac cccaaatttt   60
gttttttttg gccattcaaa atttcagaag aaggcgatac aaaatcgtct ttgaattctc  120
tttgtttatg atctgttcaa gtaaaggaac ggtcgttaatt gctactagaa gctcatttcc  180
cagattacta aaccggattc aaaatcgaaa tgatgttccg attagtgtca tagctactcg  240
acgatcatca atgtcggtagg aggcgtttcc gatgagggtta aaatcatcac aagaagaaga  300
ggaagatgaa cattggttgc ggtgtttccc cttcttcgcc gacgacgacg gtggggnanat  360
gaggaagtac cattangcgg aaaattggca angagaccgg gntttgggan gataacgggtg  420
gcg                                                    423
  
```

<210> 9867
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-F12

<400> 9867

```

tctgtncgcc tgccgtacan accgaaattc gccggtccac ccacgcgncc ggtccaaaga   60
agaacgagaa caaaggcttc ttcgccgcca tgacttctgg cttctccatg ttcggtaccg  120
ccgtgtcgag atccgttaac ggcgtgcaag gtaatgaagg agttgaggtc ataaatccag  180
aagggtggcaa ggaagatgct gaagaggaag ctcagaaagg aagggtggaag gacgaggaac  240
gagatagtta ctggaagatg atgcagaaat atatagggtc ggatattacg tcaatggtga  300
ctcttcctgt tgttatatth gagcctatga ctatgctcca gaagatggct gagataatgg  360
agtattctca tttgttgat caagcagatg aatgcgaaga tccatacttg cgtttagnat  420
angcttcac atgggctata tctgtttacn atgc                                                    454
  
```


<210> 9868
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-F4

<400> 9868

```

ttttaacaca acaaaactcc ttcagatctg aaagggttct tcttctctct tagtctcttt 60
gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng aacatgccac gccctttctt 180
ccataagttg attttctcat ccactatcca agaaaaacgt ctgaggggtcc cagataagtt 240
tgtgagtaaa ttcaaggatg agctttcggg tgctgttgca ctcacagtac ctgatgggtca 300
tgtttggcgt gtaggactaa ggaaagctga caacaaaatt tggtttcaag atggttggca 360
agagtttggt gaccgttact ccattcgcat tggttatctt ttgattttta gatata 415

```

<210> 9869
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-082-Q1-E1-B9

<400> 9869

```

cgtgccccga ccaatccgaa aattcgcggg tcnaccacag cgtccgcnc ccttttatcg 60
agagcttcag ttttagagca acaatgtctc tatttctgaa gcccttctc ttctatacag 120
acaccactct tagtcttctc ttacttctgt tcaatggatg gagtcttgag gatacagcag 180
cagcccaaaa gaggcgtgaa gcagacaaaa atgctgcaga aactgaatgg atccaactcc 240
aatacttggt gaccaaaca aggagtgttg tactacttcc cgttttcaag ggtttggtgg 300
ttatgtgttt ggttctatcc attatagtgt tcttcgagag tttttacatg aactttgtga 360
tactcttcgt caagttatct aaacgtaaac ccataaagt gtacaaatgg gaggccatgc 420
aagaagatgt tgagggttga cccgataact acccaatggt tcttatccaa ataccaatgt 480
ac 482

```

<210> 9870
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-081-Q1-E1-G12

<400> 9870

```

gcccggtgcn gtccgaaatt canagggnc accnacgcgt ccggaagaa atgagcgca 60
cgcangacgc agacgcatgg gaccgcactc gctggccttc agggatgatgc gactctgcaa 120
accgtctttc cagctcgatc ctccctccg cattgacctc ttcgatcttc tcgccggcga 180
ggattttctc gangatccct cttccgcctc cttgttcgcg cgccacagta tcttctgccc 240
acgctgtcga ntccgatctc agctaccgaa atagattcct cctcaaccat cctaccgatc 300
caatcgggtc ctctggcttc ctgcttcttc ctcagtcctt cggnggccga tctatctcgg 360
agaaacattc tgtagnata tcagcgtaa caatagttcc acttcanaag ttcgggatgt 420
taccantaag gnaagaaatt cagacagang aggcag 456
  
```

<210> 9871
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-081-Q1-E1-G3

<400> 9871

```

cggtgcccgc cggtccgaat taacgggtcc acnacgcgtc cgcttctcac tcttctgaag 60
cactcaaaga gtaaagtctc tctgcatttc agcttctctc tctcttctct ctgtagaaat 120
ggcgggtcgg atccaatccc accagctacc aaatggactc tacgtatcgg gaaagcttga 180
gcaacaaaa gagcgaccac cgacaatggc ggctcgagct gtgccttaca ccggaggcga 240
catcaaaaa tccggcgagc tcggaaggat gttcgacatc tccgtcgtcg attcagcttc 300
ttttcaagga ccaccgccgt taatcgctcg tggaatagc agcgaggta cgtcaaggct 360
tcaggcgccg ccacgtgtct ccggttcttc ttcaaaccct aacagtggat ccgttcgatc 420
tgggtcccaa ctctggttcg gttaagaaat tctcaggtcc actctctcag cttcagcca 479
  
```

<210> 9872
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-G6

<400> 9872

taccggtcca naattcccgg gnccacccac gcgtccggaa gagctcacac ttagaaaaca 60
aaaaacaaaa atggctacgc tttcgtttgg aatcgccgcc gctgcaacca ccgtccgtac 120
gattccgaga tttaattcac ggaggagcaa aatcacatgc gaatgggatc cgaaaggtgt 180
gttgggtccg gctcaaaactg gtcatatagc tcggcttgag ttttaagcgtc ggctagagag 240
agattcagag gcaagagaag cttttcagaa acaacttcgt gaagagaaag agcgtcgtca 300
agctcttaga caatctagag ttgtaccgga tactgctgcg gagctgattg agtactttct 360
tgatactgaa gctcaggaga ttgagtatga gatcgctagg cttagaggaa ggttaaacga 420
cgaaattctt tgcgagata cgacttgaaa tccggacaga ttcgatttgc tggt 474

<210> 9873
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-081-Q1-E1-G9

<400> 9873

acgcgtccgc gatgatcact tgtttcctcg aggtgagact acgaagatgc cattgagctg 60
gcctcagaga aagagcatca ttttgatgt ggctaaaggg ttggcttatt tgcattacgg 120
tgtgaaaccc gctatttatc accgggatat taaaggtacg aacatattgt tagatgtcga 180
tatgagagcg agagttgcgg atttcggttt agctaaacag agtagagaag gagagtctca 240
tctcactacc agagttgcgg gaacacacgg ttacttggct ccagagtatg ccctctatgg 300
tcaattaacc gagaaaagcg atgtgtatag cttcgggggtt gttatattgg agatcatgtg 360
tggaaggaaa gctcttgatc tgtctacttc tgggatcacc aaacactttt ctgatcacag 420
attgggcttg gtcattggta aaag 444

<210> 9874

<211> 486
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-081-Q1-E1-H10

 <400> 9874

 tttctntngc ccgtgccgtc cgataatcaa angngccccg gacgcgtccg aaaaaacgnc 60
 tcttcttctt catcttcctc ccacaaccac aacatcatca atagccttca cttcgacacc 120
 aacaatggta atactaataa tagtaanaac agcaacaacc atctccatan atttcccatg 180
 aagaaagagc aacaaagcaa tgaccatatc atgaattacc accatagtat catccctcct 240
 tggcttgctc ctcagcctca cgcactcaca tcttcaaacc ctaaccctag taatggtgga 300
 ggaggaggag gaagtttggtt ctctcttgct tctccggcta tgtcagccac cgcattgctc 360
 cagaaagcag cccaaagggt ctctacaaan acacctcctt taccaccaac cacgggncta 420
 cgagagggtca actcataata acaacctcan aacgacaatt ggnggggatg atgacgtcac 480
 catctg 486

<210> 9875
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-081-Q1-E1-H5

 <400> 9875

 ctgtttgcct gcccgtagcg aaccgaaaat tcncgggtcc acccacgcgt ccggnccatt 60
 gctctgtgta ctttgcttct ttaggagaaa gaaagcacia ggggcaanat cngaaagatt 120
 atcatggccg acggtagtac tanttcttcg gagtccacta ccgcctgcgc tgganccggc 180
 acaagaagag agattatgct gtccggagtc agggttgtgc ttgacctgat gagaaagtgc 240
 gtgagtttga acantctgtc tgactatgaa cagactgcgg tgactccana catcganngc 300
 caaagataga tatgaacaat gatatanca aaaccccgcc cggttacgcc tcggcgggatg 360
 aagctcttcc cangtcttct tctaaccgca nnntcnagag gaaacgagga gttccatgga 420
 ctgaagaaga ncacaagctg ttctntgcttg ggctgcanag agtcggtaaa ggacattggn 480

aaaggaat

488

<210> 9876
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-081-Q1-E1-H9

<400> 9876

nccccacgcgt ccgaaacact attagatcat cacttctcag atttcgatat tcccaataaa 60
taataaatac tctcagttct tctcttctcc aagaacaaaa aaaaaaaaaat gaattcagaa 120
tcgctagaaa atcttcaccg tccattaatc gaatcatcga agtcgttcgt cgattatcgt 180
ctcgagactg tgtaacaga tcgagagtta ccgtattttc gccggattta tctaggcgat 240
gatgattgag atgaagtttc tctttcatct ggcggctccg gcgatctttg tttacgtcat 300
caacaacggc atgtcaattc ttacacgtat cttcgttgga cacgtaggaa gcttcgaact 360
cgccgccgct tcacttgga acagtggttt caacatgttc acctatggac ttctgcttgg 420
natgggaagt gcagtggaaa cattatgt 448

<210> 9877
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-A3

<400> 9877

cgnaccagtc ataacgggtc gnnccacgcg tccgcnaac ttancaagtc antcacaact 60
tactcttgtc gcatgcttac gctgttgacg cattcagana ctgcaaacag tgtgctggag 120
gtaaaattgg nattgcacac agtccagctt ggttcgaacc acaatacctt gagcatgttg 180
gaggttccat tgaacgtgtg cttgatttca tcctacgatg gcatttggct ccaacaactt 240
atggagatta tccacaatcc acgaacgatc gtgtcgggtca tagattgcca anattcacag 300
aagctgagaa gaagttgcta aanggttcta cagattacgt aggaatgaag tactatactt 360
cagtgnntgc aaaagaaatt aagccctgat cctangaanc cgacttggng cacngattcc 420

ccntgttgag tgggataccc ang

443

<210> 9878
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-A4

<400> 9878

cgtcgctctc tcacagtctg ggtactccta gagctagaga aaaggcacag gcgttgctca 60
gttacttcag aaaccaacgg catggaaacg ctgggcgtgn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctctcag tgcctatatt tatgttttgt 180
cttgtgacca aagtagtgat tttgtacaaa agaggtctct tctgcaaata attttttcgt 240
actcaagatt tttgttttgt tctctgtatt ctttaatttt ctattgattc tcataataaa 300
ctttgatttg gnatanaatt tttttttttt caanagnaan cgnaanaaaa ang 353

<210> 9879
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-B1

<400> 9879

cgggtcgngc cacgcgtccg gaacnactaa acaacactca caccaaaaag acgacgatgg 60
tttcgtttcg cttccctttc tcgtttttct agcccccgcg tgccaccacg tcattctccg 120
gattctccat ttccgctgtc gctgtctccg tcaccgttgg cgccgcagcc gccggagctg 180
cgatcgcggc gtcccgaat cccagccatc cgattctaga gtgggccttc nctctcacc 240
gttcgtctct ttcaccatgg ggatctataa ctctagcaga cgaatccgtt gtcgaancta 300
agaccggttt ctcgtttccc gcttcaatcg ganattcccg ggcattactc cggcgtntgg 360
nntgaggaan aangagcttt actggggatt aaagaacaan cgatgtccaa cgccttccgg 420
gtgtaaggct gaatggtn 438

<210> 9880

<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-B10

<400> 9880

taccgaaacc ganaattccc nggtccaccc acgcgtccgc naacgcgtgg gtgggggtaa 60
atctaggggt ctgggaaaat tagggttctg ggaaaattag ggttcatcca tgctgtcgag 120
tttttagggtc aagtaaatga cggatccatt aggatccgtt ttatatctta tgctctctcg 180
tctcaatata tatatttaaa aatctcagcc tttgggcttc gttagtgttg gtttgctttc 240
agaatttaac ttaagttacg gtaaaagcaa tgcttanctg tatacgaagt gcatctaccg 300
tcggagattc ctattgttgg ctgcgaactt acaccttacg ntacttctcc ggcggcctga 360
taagaccccc tccaccgatg atgtgcctga ntcacccccg ccttgaangg tcacttctta 420
aagtacagat ggtttccant acagcagtga ta 452

<210> 9881
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-082-Q1-E1-B2

<400> 9881

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tttgccccta cagctcctt tgcttcttct gtgtcactct ctccacagag acacataatc 180
tctctcgttt ctatctctaa tcgtggaagg tgcttcgcat tctcgagcgt ctctggtgct 240
tcgctttata ataatcaaga ggatgggaag aaagaagaat ccgagagaaa ttacgcttcg 300
acgaaggaag gagatgaaag tgggtttacc agaaaacgct gagattagta gaatgtgcca 360
tgttcgctgc tgtgacaggc ctcgntta 388

<210> 9882
<211> 149
<212> DNA

<213> Arabidopsis thaliana
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 <400> 9882
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnngg 149

<210> 9883
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9883
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 gtggtgagtg tgtttacata tctgcactca tctgtctaata gaaagggaca aagttgttcc 180
 agttctcgac cctaaagatc ttctcattca ttctgcaaaa cgtaaataatgat cttagantgt 240
 cgccattcgg ttgcacacag ttctctcgta nttgccttag tcccatctca tcaaatacttt 300
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<210> 9884
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9884
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 tcttcatata cctcgtttca atcctgcgga accctagttg ctctgaattg tggtttgcta 180

ctgtgataag ttcttcagt gtagattagg aagcaccacc aatggagatt gtgtaagaca 240
tattcattac agctctcttt taangattat ggggtctgtt tgctgtgtgg ctgcaaagga 300
cagaaatggt ccnagtggaa ctantngta nttcagtgtg ttcaccatcg tgganttttc 360
gacgggaca 369

<210> 9885
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 9885

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taccaacagg gaatcaatca tacggacagc ttacttcac gaatctcatc aatttggttc 180
cattaacttt tcagtcaagt ccagcaccgc tttctctcaa cctctcacta gttcatcta 240
atcttaatga accatctcct tcaatgcac cagcattcaa cagattgga gtcgcttaga 300
gcttatecta aagggtgaaaa tctgcaacac accctgtttg tttctttgct gtacagatag 360
gtcttgactt tgttataaaa aaattcgta aatttatgta tttgggctaa aaaaaatctg 420
ttgaaannan naataataaa cagagtttgg ngata 455

<210> 9886
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-H3
<400> 9886

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tcatatttgg tgantctttg gttgataatg gcaacaataa tcagcttcag tcattancta 180
nagctaatta ctttccttac ggtattgact ttgctgccgg tccaaccggt cggtttatca 240

acggnntaac cactggcgat gttatcgctc agcttttggg tttcgaggac tacattacac 300
 cttacncttc tgcaaganga caagacattc tccgangagt taactatgct tccgctgctg 360
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<210> 9887
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9887

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 gtgtaatgat gataatgggtg ttggttgtct cttgtggtga agctgtttct ggagctaagt 180
 tcgatgagct ttatcgggtca agctgggcta tggatcattg tgtcaacgaa ggcgaagtca 240
 caaaactcaa gcttgacaat tactctggag ctgggtttga atcaagaagc aaatacttgt 300
 ttggtaaagt ctctatccag attaagcttg ttgaggggtga ttcancagga acagtcactg 360
 ctttctacat gtcttcagat ggtccgaacc acaacgaatt cnattttgag ttcctaagga 420
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 agagaaca 488

<210> 9888
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-H6
 <400> 9888

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acgaatttct caccaaatac gacatcaagt tgaacaatgc gattctcgcg gaagacaaac 240
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 ctactcagaa ctcaatcaaa gtggctcagt ggatgcttca aattcctggg gcaaccagtt 360
 acatgggata cattggaaag gacaaatatg gagaagccat gaagaaggat gctacagcag 420
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 ccgttgttgt tggtggaa 498

<210> 9889
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-079-Q1-E1-H7
 <400> 9889

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 ctaatgaccg gaaggagttt cagggagatt gttcggcgac gggagatctc acggcaaagc 180
 acgattcagc tggaggaaac ggaggtggag gtgctaggta taagctgatg tcaccggcca 240
 agcttccgat ctcgaggtcg actgatatca cgattcctcc tgggttgagt ccgacttcgt 300
 ttttggaaac tcctgttttc atctccaaca tcaagccaga accttcccct actactggtt 360
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<210> 9890
 <211> 382
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-A10
 <400> 9890

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anaagtgttc agttgactta ttaggaggtg gggtttgnat aagttanaat ggnctcaatt 180
 cttaatcaaa cccaaggant tgcaanaatc ttctaagggt cntgggcatt taanatgtga 240
 aaactttctt cnatccccg gagaaaacac tttgtcaa at ggnttgangg gtgtgttata 300
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 agtcgntgga ggaatgtcgt ga 382

<210> 9891
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-B1
 <400> 9891

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 aggacctccc tatgatggag ccaagaaagc tagatctgaa ccatgaaatg atgcctggga 180
 tggttatgct acagccagat catgaggtcc aacctgagca cacggtcaag cctggccata 240
 cactccagtc catgtccggt gtatcanaac atccagagca cacggttaag cctggccata 300
 cactccaagt ccatgtccgg tgcattagaa catcctgagc acaaggaaaa gcctgaccat 360
 aaactccagt cnatgttggg agaacatcct gaagcacann gaaanagcct gaccatnaac 420
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<210> 9892
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-B2
 <400> 9892

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 ccatgaaatg atgcctggga tggttatgct acanccagat natgaggtcc aacctgagca 180

cacggtcaag cctggncata cactccagtc catgtccggt gtatcagaac atccagagca 240
cacggttaan cctggccata cactccagtc cangtccggt gcattacaan atcctgagca 300
caaggaaaag cctgaccana anctccagtc tangttggga gaanatccct gagcacaagg 360
gnaaagcctg accataaact ccagtcnatg ttggggagaan catcctgacc acaaagg 417

<210> 9893
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-B9

<400> 9893

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attgacagag tatacatcgg ttcttgact ggtgggaaga cagaggattt tatggctgca 180
gctaaacttt tccacgcagc aggaagaaaag gtcaaagttc caactttcct tgtcccggt 240
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catgtgcgca gatcnttgaa gaaactggct gttgacacac catccaagcc ctagntgtgg 360
gtgcttggcc ttgggtggcc cangca 386

<210> 9894
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-C7

<400> 9894

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gcttcacttc tgggcttctt ggtgtgatgc ttcgaaacag atggatcaag ttttctctca 180
tctcgetacn gatttccctc gtgctcactt ctttaggggt gaagctgagg aacatcctga 240
gatatctgag gcttactctg ttgcnctgt gccttatttc gtcttcttca agngatggta 300

aaactgttgg atacacttga ggggtgcagat ncagcanagt ntagctaata angttggnaa 360
 anttgcntgg ttcgagtact ttctgctggag cctgctgcct ccatgcaaan cntaaggggtt 420
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<210> 9895
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-080-Q1-E1-C8
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 tgttgttgat gagttcaacg agtgtgctgt gtcgagaaaa aagtgtgttc ctagaaaatc 180
 tgatctcgga gaatttcctg cccagacccc ttctgttctt gtacagaact tcaacatctc 240
 ggactttaac gggaagtggg acattacaag tggcttgaat ccaacctttg atgccttcga 300
 ctgccagctg catgaagtgc cacacagaag gtgacaacaa gcttgttgga aacatctctt 360
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<210> 9896
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-C9
 <400> 9896

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 atctgcctga ctagggtttt agcagtgtat aagagacgag acgagacgcg attcaccgga 180
 gagtcaaaga ggcaaggagg agaaagccaa tggnacatgc cacgtttacg tcggaagggc 240
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 cgtggcgatc tgggtctcaa gccgcccacg ccgttggtcac tgcaatcgtc ganggtggct 360
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<210> 9897
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-D1

<400> 9897

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gaagatcgga gaagatatcg cgaaagaaac cgcaaaggaa tggaaaggat tacgtgtaac 180
cgtcaagctc acagtgcana atcgtcaggc gaaagtgang gtggttccat catcagcagc 240
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agcataacgg gaacatctcg tttgagnagt gtgacctgag atttcnacga tcatggagaa 360
ctnagatcta ttgctaangg natttnagtg gaacagttca aggganattc ngggaacttg 420
tgttgt 426
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<210> 9898
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-080-Q1-E1-D12

<400> 9898

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tctatgtccg gataagcaat ttcgtgggtg ggaagattca anctcctgag gtcctcacta 360
ncaatcacat tctcctgga tccaagatac gcttttggag attaacgggt gttagaatgg 420
gaa 423
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<210> 9899
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-080-Q1-E1-D6

<400> 9899

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tcattttctg cgcttttttgc ttttggtgat tcagtcttag atacgggaaa caataatttt 180
cttcttactc ttctcaaagg aaattattgg ccatatggtt tgagttttga ctataaattt 240
ccgacgggaa gattcggaaa tggaagagtt ttcaccgata tanttgccga nggtttacag 300
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actggcggtt gttttgcac anggtggttc anggaattga cgatcttana tcccgaacac 420
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<210> 9900
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-G8

<400> 9900

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cagcacttgc tggtagatat ggaatccang catggcaagc attcaaggca aggccaccaa 180
ggcccaaat taagaaattt tatgaggcg gtttccagcc tacgatgacn aaaagggag 240
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tgttgatgc 429

<210> 9901
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-E5

<400> 9901

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aagaacgtcg atgaagatgg tcgagagaag cgtaccggga cgtggcttac ggcgagtgcg 180
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acttacatgg acgttggtcg atcttacctc ggtggtagga aagtgcantc ctgtggagtg 420
gcacaatatg ggaatctgat tggggtcact gttgggtt 457

<210> 9902
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-E6

<400> 9902

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aacataccgg attacaggca cactccagaa gtggataagc ttctcaacga agatccagtt 420
ttcgagaaga aggagaatcc cgagcacaag aagagattga agctgancag aaatggtggg 480

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503

<210> 9903
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-E8

<400> 9903

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aaaccccatc atcattctga acttgatcaa gacaaaagag aggaggccta gagagtcaat 180
cctacgagaa gagtttgta atgcaattga ctttataaac aaagatttac ctgaggaaaa 240
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tcttgagaaa aaatcta 497

<210> 9904
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-E9

<400> 9904

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tatgtccaat gcgtcgcttc tggatgaagg cactgtgtgt gcggaggcaa tggccatgtg 240
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gactattgat gtttgtaaga ctagagctga tgggtttgat ttgaaagttg tcacctctga 360

tcttaaggat atagattaca gctctggtga tgtttgtggg gttcttggtc agtatcctgg 420
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<210> 9905
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-079-Q1-E1-F1
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 ttcgttaaac ctcttttggc ctctccgtct cgtcgtaacc tccttcgttt ctcacatctc 180
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 caaagtattc gacgatggca tctattgttg tgcaagatgt ggaactcctc tctacaanat 420
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<210> 9906
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9906

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 ctgatggaga agatctccga gaagattcac catcacgatt cgtcgtcatc gtctgaatcc 240
 gagtacgaga aacctgattc tccttcgggt gtgaaggcga agatctatcg tatgtttggc 300

agagagaagc ctgttcacaa ggttctcggg ggtggaaagc ctgctgatgt gttcttgtgg 360
 agggataaaa nactatcagg tgctgttctt ggtgtcgga ctgctatttg ggttcngttc 420
 gagctgggtg aagtatcatt tgttgaagtc ttttgtgtca catttcgata ctcgctcttg 480
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<210> 9907
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-F3
 <400> 9907

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 cagtcaattt gctacaactt ataaaatggc ggnggctact tcatccatcg ctccttctct 180
 ttcatgcnc tctcttctt cttcatccaa aacccttttg ttttccaaag ccagaacctt 240
 ggatctaccc aatatcggtt tcctctcgtc ttcttccaag tctctgaggt cgcttactgc 300
 caccgtcgct ggaaatggcg cactggatt ctcccttgcc gctcgcatgg nttcttcggn 360
 ctgcggtcaa aagccctgt ttctctcgat ttgagacat ctgtcttcan aanaggagaa 420
 agtttctctt gcnggttagh nanggagtan antggganca ngaaggaaga gacctgttca 480
 agcatctcnc 490

<210> 9908
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 9908

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 gggaaagcna tttatcggcg ggatttcatt ggataccgac nagaatcttc ngacagagta 180

cttcagcaat ttccggcgang ttttgcaggt cactgttatg cnagagaaag ctactggtcg 240
 tcctaganga ttccgattcg tcncattctc ggatcctgct gttattgata nggttcttca 300
 tgacaagcac catattgata atagagatgt tgatgtgaag agagcaatgt ctanangagg 360
 agcacagtcc tgctgtggaa atnagggact tttaatgctt ctacgaattt tgatagtgga 420
 gctaactgta ggactaacna aagaatattc ctgggaaggt t 461

<210> 9909
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-F6

<400> 9909

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 attttgaggt atgtaaccga tgtgggacaa antacaagtt tgggcttccc agatcccaca 180
 tttggtggaa cacatatata aagagtctct tcgttgatta gttcccaga tcccacattt 240
 cagtgggagg agctcttctc agaccttaag actattgctt tagtggaatg cttctcgtaa 300
 atgtataagt gaggaagaa actccattcg tatctatcta ctaccctaag ccgtttatgc 360
 attttctgtc catcagaaga tcaacacctg tttctggagg attccattga ttttaagggat 420
 tagatggatg atggaccatg tgggattcag tagatgacaa gaacacanga ggaatccacc 480
 taaca 485

<210> 9910
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-F8

<400> 9910

cttttcgcgc gcctaccggt ccanaattcc cgggtcgacc cagcggtccg cccacgcgtc 60
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gcttctgaag ctggattcga agccctccgg ttataaatgt cagaaggagc tcacttgta 180
ccatcaaact acgagctctg ttggatgca gccagtcact ttgctgaatc ccgagttggt 240
gaantcgatc ggtctatctc aagcaattga cttaatgtca aactctgtgt ttgtcttgc 300
aagatggtct caagaggcga aaaactcgat tggtgaaact gatgctatga tgaaactaag 360
tgaagatatt ggaaaaatgt ggctcaaact tgtgaagaac ctcaaaaag tatgtcttga 420
tcaaacgcta cgaagtgaga aaccatgcaa tctcaatgct gcaacgagct atagccgggt 480
gcaagacggg gattatgtta c 501

<210> 9911
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-F9

<400> 9911

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ccgcgctgaa atccacgacc acggccgcgc tgaaatccac gaccacggcc gctctgaaga 180
agaagactct ctccgtctcc tcccttctcc tcctccgtct aagagacaag gcatcccaa 240
gacgccatga tctctctcac tccctcgttg tttctgaaca agacggttgt tcctggatgt 300
tccacacgcc tctctctgcg ccagcctaga actataatta ctctcctgc ttccttgaga 360
gtcttttct ctctcgatc taaccaggat cccaccggca ngcgttttga ttgagaccac 420
tgccacttca tcctcctctc tcgagacctc ngccgccgac attgttcca natccaacgt 480
atctggtgga gttcaaggat gtctac 506

<210> 9912
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-G3

<400> 9912

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 ggggctttta ggtaattacg gctgctgctg aagctcaaaa atatacggct ggtcagttta 180
 ttggtggtgg aggctggtta tegtgcaccg gtttccctt ctcgctcggt ctttgagaga 240
 ttgttggtga atgtgttctt acgtattgtt ggctacaaaa attattgatt aatattgtat 300
 gaagcaaata gtgttgctct ctttgttttg tttgggttgt gtactttctc tanatcatcc 360
 gtangtatta taaacgagat gaaataatgc cnggtttttg cgccttgaga atatggattt 420
 gagaaaagga nggatgttgc ctanttgatg atgatgca 458

<210> 9913
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-G6

<400> 9913
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 gttttcagtg ggaccggtat tggtagttg ttaactataa aggaagagca tacactcaaa 120
 gagttgagcc aacccttgct cttgttgaat cggagttgcc taaggaagcc ttcttggaag 180
 attgggagcc aacaaatgac tcattgttgg tgataagagc tcctggtatg agtccgttaa 240
 agataccgtt gactaggcca agctcggtag cagaaggtgt gtcgatgtgg gaatggtctg 300
 gctctgcttt tgatgaagga gaagaagctg cgaaatggtt ttcagattat cttgggaaaa 360
 caaagccgtt tggttcgtt taataaagat actgaaacta gancttcaac tccctga 417

<210> 9914
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-E2

<400> 9914
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tccgaaagaa cccaaagctc ttggagggag gtgatcttct cttctcagat catcttctac 120
tcttgagtat acccttcctt tgaagataat tcctagtttg ggacttatcc ttacttctcc 180
gggatttcac tttaatccac cgaagagttt tgacatctga attgtattgt tttgggtgtg 240
atccccgatag aattcgaggg taggaatcgg aaagtagggg gatttggttt agaagaagaa 300
agaaatggag ggttttgtcg atcactacat tgttctaggt ttagcttctg ggagaggaag 360
ctctgaagct taccgaaaag gagattgcaa aagcatacaa gttgaaagct ttggacttgc 420
atcctganaa acgcctgat gatcctgatg cccatganaa attcagagggc ttaanacatc 480
ctacgaagtt cccaaagac 499

<210> 9915
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C8
<400> 9915

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agaagacacc aagatgcaaa gttggtgggc aacagagcca gagttggagt agtacgagtc 180
ctagcgaacc caaatgtatc tcctcctcct cctccaggaa aagcaaagggt aaaaaaagag 240
gtaatcatgg tagaccctct tgaggctaag cggttagcta gtaagcaaatt ggaagagatt 300
aaaggcagag aaaagcaaca gagaaggcgt gaaatagagg ctattaacgg agcatgggca 360
atcataagac tcatgaaaag gctggtgatc gaagctcaaa cggngngaagg gtattcctgg 420
ctcanttggg ct 432

<210> 9916
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C9
<400> 9916

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 gtccgatcag aaaaaaaaaa aaaaaatcca aattcaacac tctcacactt cgatatctcc 120
 gccttcattc tcctcagagc caactgtcct gagatttcga tttcgatttc tccgatctct 180
 ctctctcgt cgccggcgaa accatgtctc agtctattca attctccact ccttcacaca 240
 ctctcacct tctccatctc cctcactcac aattcaaccg tcctctctcc tctatctcct 300
 tccgtcgctt ccctctaaca accatcaaata acacttcnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcaagta cttctctcac 420
 ctaacggtac tgggtgctgtg aagtctgatg agaagattcg ttgtcgctac ggggggttacg 480
 actggataac gtctgggatt gaggttgat 509

<210> 9917
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-D1

 <400> 9917

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 tcccangagc tctgagcatg ttgaatctaa gtcggcatca gagatggata atggctctgc 180
 taagatgaaa aaatactatg acgaagatga gtgggagagg caagataaac tttggacagc 240
 tgcagagaag aagcatccat ggaaagatgc ccctcctaag gttaaggtga caacaaaaaa 300
 gggatatatgc catatgcaca tagaattgac attgggggttg cctcctgatg gagtctcgn 360
 acttttcact aaatccacat aaccggnncc anacaccgaa cactccggn tttaattcct 420
 atcattgaat gattcaaag ttggtantaa ttgtagcaat accttgaaag tgtactcctt 480
 ttggttaaan t 491

<210> 9918
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-D10

<400> 9918

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tcttcaacct cttccctcc actttgcttc tctctctcct ccccgggggt ttacagtca 120
tatcatctc ngagactctg cgattcttca cgggacgta tttctctctc ancgattttt 180
ttcgattctc gaagctgcaa ggaccacca tcanacattg aaactcaagc gggagaaatt 240
ttctggctcg ggagggaac tatggagccc taatgccat tttctgctgt ctatgaggtt 300
atgtttggat gntagataca ttttgacttt ctcatanact gagtacacna ncaaattggca 360
tttccaangc atcagnngan gtganaaatt ttgtggtgaa tggncaccgn tggataactaa 420
ttgcangggg tgcattgntt gaagcacatt gtccaantcc gctttgggat accangctaa 480
agcactcgcg tgattccgag acctcaat 508

<210> 9919

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-079-Q1-E1-D2

<400> 9919

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ttacaaaaac tattaatctc actctttctc ttctcattct catctttctt cttaggtgct 120
gaatcgatt atcctcagca tagtaacttg aagagactga gaccgaatag actgttcgtg 180
tttgagatt cctatgcaga caccggaaac ataaggaaat ctctctccga ttcttgaaa 240
attccttacg gcactacttt cccccaaaaa ccttccggtc gtttctccga tggncgcgtc 300
gccaccgant ttctancaag atacttgggg ataaagtcac caattccgtn cacntggaaa 360
ggataagccn gaaanggaan gggtaatggt acgggaannc anttatgcct atgggagggg 420
acaaggagtg tttaaagaat aanagataat ccaattggca anacaatga 469

<210> 9920

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-079-Q1-E1-D3

<400> 9920

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gtaaccctca agcaagaaga tgaacaacaa gaacgtagat cttattcgac gccgttttagg 180
gaagagagag acacctttgg cccgatccaa gttccttcg ataaattatg gggagcacag 240
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atcgtcgag cttttggtgt cttgaagaaa tgtgctgcc aggttaacat ggagtatggt 360
cttgatccaa tgattgggga agccataatg gaagctgcac aagaagtagc agaaggaaag 420
ctcaatgata atttcctct tgttgatgg caaactggta gtgggacgca gagtaatatg 480
aatgctaata aggtcattgc caata 505

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<210> 9921

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-079-Q1-E1-D4

<400> 9921

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gctcagctgg agaaagctac aaggatattt catgattgtg tcaatgaaat ggaaaagtct 180
ggatgtcaga cgtttgatgt gaatagcttg gcggaaacac tcaagtgtca aggtaacaaa 240
gctatgcagt ccaatcttta tcttgaggca gtcgagcttt attcttttgc aattgcactg 300
acggataaga acgctgtttt ctactgcaac agggctgctg catatacaca agatcaacat 360
gtgctcagaa gcaatcaagg actgtcttaa aatccatttg agattgattc aaaattatag 420
taaggcgatan nagtcgtcct tggggtttaa catattaatg cctcaa 466

```

<210> 9922

<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-D5

<400> 9922

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cttcggttca ccgttganta anccgtcgtc atcnctccgt cacagtggag taggaggagg 180
aggaagcgct caattttcttc cataccggag taataataac aaactcttca ctacttcaac 240
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gtttggtttt atctcccgat gctatggaat tggttcttaa gattttgaag ggatggatta 480
tcaacgggtt catgtacc 498

<210> 9923
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-D6

<400> 9923

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cccatgagga ggacaaagga agatgatgtt ttgagagcaa gttcagttaa aagatatggc 120
aagaagaanc gtagaagtgt ccctttacct aaatctgcag aacctgacct tattaaccaa 180
agtggtcacc agcatgccat agcttangta gaaggagata agtactatgg agctaaggct 240
actataaatg tgtgggaagc caaanataca gcagcanaat gagttcagct tgtcacagat 300
atggcntctt ggtgggtcat tcggacaaga tcttnatanc atccaangct ggttggcaag 360
tngnncccgg gatttgtcng gngacactac ncganactct tcaacttactg gacnantgat 420
gcacatcaag ctncgggttt gc 442

<210> 9924
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-D7

<400> 9924

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ggtttgaggc tatgagaatc gctcttgatt caagtcttga gctttttcga tcgggttaatg 240
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tgacagtgga gatagaagca gcgttaagtc agattcctta tgagaagatt gaggtatcaa 360
gaggaagtca gagaacaggt tcaagcttct gcattttcag ttcaagagag caaangaaag 420
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```

<210> 9925
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-D8

<400> 9925

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cgtggagatg anagataaca acacccttc tcaatcgatt atctcttctt ctacctctac 180
natgcagnat ttgaaggaga ttgcagcact catcgatact gggtcntaca ngaaggaggt 240
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tgtgccctct tccttcctgg gatcttgctt tngttccatg atnccgagtc tcagtcncgc 360
ctcncttctt ttgttcgtaa ngggtganga acatgacatg gaanttgata actgcntcat 420
cggncagaca agctgctcc 439
```

<210> 9926
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-E11

 <400> 9926

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gattgataaa gtttgatact tgtgttgcaa tcattgtgga attcaaactc aatgtcactt 180
tccgcttttg agcattgttg tctgttttcg cgtatccaaa atctgactag tatctagtgt 240
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnt cgtttgata attaagacca aaatagtcgg taatgtatcg ctatagctag 360
gaataatatt atcatcaatt agtgtgttaa tccggcttaa tgggtttcta agtcatcaca 420
taagtgtctt cttctctgta tcnntctatt ttactagtaa cgtgttcaat tggntcaann 480
gtnagacctc ttaaattaac catta 505
  
```

<210> 9927
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-079-Q1-E1-E12

 <400> 9927

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ccggggcgaca aaaccaacca tctcctcctt atctccacca tgatctcact ccactcatca 120
gccattaaag cctctctcta cggctctttc ccttcttcgt tacgatcaac actctctgtt 180
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tcaaagggtg ctgctgaatc tttcttcagg agtgtcttan ggcagatgga aactgtttac 360
ctaaatcgaa acccgacgcc taaatccgtc ttggancttg ttcgatctgt tgntgaccat 420
  
```

caantttgcn atgatcatct cgctttcaga acgtttggga ttgggtnggt t 471

<210> 9928
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-079-Q1-E1-C7

<400> 9928

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gagaaccac acaaaaaaaaa atgtctgtag atttctcatc tgagcgtgtt tgctatgtcc 180
actgcagctt ctgcaccacg attttagcgg taagtgtacc atacgcaagt ttgttcacac 240
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cctctctggt gacaaggaaa gattgtgcat cgtcctccta ggagncacaa ncatttaacc 420
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<210> 9929
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-A3

<400> 9929

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ttctcggact ccactacatt tatcagcatg ggcagggcac aacgangtag tgagctactt 240
atgcaagaac aaagctgatg ttggtgctgc agcaggagat gacatgggtg cgattcactt 300
tgcttctcaa aaggggcatt tggaagttgt gagaacttta ttatctgccg gtggttctgt 360
gaagtcatca ctgcgaangg actcactcct cttcactacg ctgctcaagg ttctcacttt 420

gaaatcgtca agtacttggg taanaaanga gcaagcgtca gaantacgac taaggctggg 480
aagagtccan ctgatggt 498

<210> 9930
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-A7

<400> 9930

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ataagggtctt tgaatcatca tcaacatgat gangaacttg aagaagaggt caagacatag 180
aaacccatctt tccgaagagt ccaagttggt tactatctca caagaaatgg ccaccttgaa 240
catcctcact tcacgaagt catttctccg gttaccagc ctctccggtt aagagatgtg 300
atgaaccggc ttacgattct gagagggaag tgcattgacat cacaatatgc ttggtcgtgt 360
aaaaggagct atagaaatgg atttgtgtgg aatgacttag cagagaatga tgtgatttac 420
ccttctgact gtgctgaata tgtcctgaaa ggatctgaaa tcaccgacan atttcaagaa 480
gtacatgtga acagacca 498

<210> 9931
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-A9

<400> 9931

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ccaaagggaa caacttcttc ggattattat ctatggcaga gaagcttgag ccggtgaagg 120
ttttgtactg cggagtttgc tctcttccag cggaatactg cgaattcngt cccgatttcg 180
ctagatgtaa gccctggctc gtcgaaaacg cccagatct ctatcctgat ctctcaaaag 240
aagcaaata gaaggcagca tataatgttt ctgacanact ccagtcggtg ggaatctctt 300

caggtggtgc ngatggggca ccatcttcag ctcagactgg agggacatcc aanaatgagg 360
aagtgaancg cctacctggg gggaaagtta aaaagaaaag attgacagga agttatcant 420
gaaa 424

<210> 9932
<211> 494
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B1
<400> 9932

antccaagg tccccacgc gtccgcaaag gctgggaaca atgtctcaag gaaaacaaag 60
agggttacct gtgtggaatt aaataagcga tgtaggcaaa aggcactgcg aaaaaaagag 120
acaaaggaaa aggctaaaga gaagatatta aacgaaattg acagcttgcc caacatctta 180
gaagaaatag ccaaagaaga tgaggataaa cagaataaac atttacgaag ggtcatcgcc 240
aagcaggaag tgctgaagat acgtcctcct cggttgggaa agtacaaatt tgaggctcct 300
ccagttcaag tcctcttgac agaagagatg actgggtcac ttcgtaagct gaangcatgt 360
tgcactcttg caagagatcg attcaagagc ctccaagaag cgaagaatac ttgttccttc 420
aaaacagatt anaaggttta aggaactcct tctcactggg ctaaaagcct tgtttgagaa 480
aaagcntttt ggga 494

<210> 9933
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B10
<400> 9933

acgcctcana aattccaagg tcgacccacn cgtccgcca cgcgtccgga ggaaatgcct 60
catcaagaac actgacaatg gtgttcgcat caagacatgg ccaggatctc cccccggtat 120
cgcctccaac attcttttcg aagatatcac aatggacaat gttagccttc ccgttctcat 180
cgaccaagag tactgtcctt atggccactg caaagctggg gtaccatcga aagtgaagtt 240

gtcagacgtg actatcaaga acattaaggg aacatcagca acaaaggtag cantgaagct 300
aatgtgcaag caaaggcggt ccttgcacca atattgtctt ctctgacatc aacttgggtcc 360
acaacggcaa agagggacca gctgtctcag catgtttctaa catcaaagcc tattctcaac 420
ggaaagttgg ttccagcggc ttgcactgaa ag 452

<210> 9934
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B12
<400> 9934

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naagaaccag tcatgggaag atctccagct tcttcttgct tccgtctcat ctcttctctc 120
ggcgggtgatg atacctccgc cgatcctaac tccaccgccc tcgagaacaa gagctctggg 180
gataagcgtg gatggagttt caggaagaaa tctgggaaac agcgagggtt gattactagt 240
gtagtttctg aaactactcc tgcttctagg actagagaga ctcttgaatc tgctctcctt 300
aaatctccgt ctctgataa taacaatggt tctgaaaaac agcagcagtc tttctctggt 360
gatgaaaaga agagtcagtt acctgttggt acctatgtgg ctgagcc 407

<210> 9935
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B2
<400> 9935

ggcnccccac gcgtccgcan cangttctta cctttttccc atttacantc ggtaaatttc 60
tccgatcacg agatacanat ttcactttct gatattctgg atcttccgat cacnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccana aagttcnaat tttttanaga 180
gaagaaacca tgantgcttt agctgcaaca nacagaaach tccgtcatgc atctcgaatc 240
ctgggttttg attcnaagat cnagagaagt cttatgatcc canttagaga aatcaaggtt 300

gagtgtacga ttccnaaaga cgatggcact ctggtttcat acatcggatt tagggttcaa 360
catgacaatg ctctgtggac ccatgaaagg tgggantcaa gntatcatcc tgangttgat 420
tcaagntgaa agttaacgca ctaagctcag ctgatgaact tggganaact gctgggt 476

<210> 9936
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B3
<400> 9936

cggntcgtag aaatccaaag gtccaccac ncgctccgaa agagatagtt tcttcttcat 60
ccaaaagaat ccaatctttt cctcaaaaga tagtttctgg atcgaacgac aatggagatt 120
ttctactact tgggtgttgg ggttttgggt ctctctctcg cggcgttgga gcttagcaag 180
aacaacaagg atcgaatcaa cacttcttca gctttcaatt ctttcaagaa caattatctc 240
cttgtctatt cgctcatgat ggcgggtgat tggttgcagg gtccatatgt gtactatctt 300
tatagtactt atggatttgg taaaggggac attggacagc ttttcattgc tggtttttgt 360
tcctctatgt tgtttggtag catcgttggg tctctagccg acaaacaagg tctaagaagg 420
catgtgttac ctattgtatt anctatatat tgaagctgca tcancaagca ttctcctcaa 480
ataaaaaggt tt 492

<210> 9937
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-078-Q1-E1-B4
<400> 9937

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aatgattccg atggatttgc tgcaaccatt tctgatactt taaaccctag cctagttcc 120
cctcttcgca aactagaaga acagatccag cttccgttgg ataagtatgg cgttgaaggt 180
gtggaaaccg gcgggagtat cgttcatttc gtagatgaaa atgaagttaa tcaggctctcg 240

atttttcttc ttcgaagtta tgagcctcca gtactagtgt gtgctatgaa tgaactgctg 300
 gacctaatta caaggggatc gtcaactcta cccacaatca tagctccttt ctttgtgggc 360
 ggcattctaag ctcaagttca ataacagatt cctggaaagc aaataacaga aaagctagtc 420
 cttcattacg ttcaagttgc tacagaaaaca gagaccaagt aggttaattg cctctcgcat 480
 cgagaaaaca ccacta 496

<210> 9938
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-C11

 <400> 9938

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 atggctatatt attctgtcca taacggcgac aagaaacatt ggtgggtcac tcacaagaag 120
 attgttgana agtacattaa ggacgcanga tctttaatgg agagtgagga gcaaacgcac 180
 gttgcttcag ccattcattt actagacgcg gctttatcaa tatccccgcg ttcggaaact 240
 gcgttagaac ttaaagccag atctttgctc tttctacgtc gtttcaaaga tgtacttgat 300
 atgcttcaag attatatccc aagcctcaag cttgccgtga acgaagaaga tggatcttat 360
 tcatacgaag gttcttctta ctcttcctcc tcctctcaac tctccccgga aacttctc 418

<210> 9939
 <211> 512
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-C2

 <400> 9939

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 ttggtcactc tgatgctttc agtttccatg gttttatgag aaaatatcat tgattatggt 120
 tgcttctgag attaaatccc cggtagtgt ccccgagact ccgggaagct cctctgtgca 180
 tcataggaag cagttgagtg tgttcttcat agaattcagat aacagacgtc ttgctcttgg 240

ccgtggctat accggaggaa ccaactcccgt taacatccat ggcaaacca tcgccaatct 300
 ttccaaaacc ggtggttgga tcgcagcttt cttcattttt ggaaatgaaa tggcagagag 360
 aatggcgat ttcggactct cggatgaacat ggtggcggtt atgttctacg taatgcataa 420
 gccttttgaa agttcatcaa acgcagtcaa caacttcctt ggcattcttc aaagcctcct 480
 ctgttccttg gagggcttcc taagccgacg cc 512

<210> 9940
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-C3

<400> 9940

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 gttcatctct caancctcat atcgccgtgt tttctcgctc tantaccgag agctcggncg 180
 aaccaggaat gcaatccgtt aatctataa cgggtgttgag aagatgacna ttacatcaaa 240
 tatctctgta cagaacgata ncctcgttgt tcaaggggaat actatcctta cnaaaatccc 300
 tgacaacatt atcctaactc cggttaccgg taatggantc gtttccggtt catttatacg 360
 cgcgacnttt gaacaangca ngagtcgtca tgtgttcccc atcngtgtan tgganggtcc 420
 tccggttcat gttgctgttc ccggtttang ctatggtgga tgactcaaa 469

<210> 9941
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-C4

<400> 9941

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 cgtcatcgac agagaagccg ctatggtttc tcagactatc cgaagcatgc tcacttctcc 120
 aggtggtttc tcggaatcga aagatggcgt agtgactttc cctgatataa gcaccacaat 180

actagagaag atttgccagt acttctactg gtctcttcaa tactccagag gcaaagagac 240
 agagtttcat attgagcctg aactgactct agagctgatg atggctgcta actatcttca 300
 cacttgaaga atgaaaagga taacgctgtt gaatcttatt cgacttgtgt gaatcaaaaag 360
 gataaatctg cattgggttc aagaagaact attgaataac tctaaggaaa agtcatgtac 420
 ttctttacta actgttaatt ttt 443

<210> 9942
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-A10
 <400> 9942

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 atttcttttc ttgtctgttc cagatgaaat tgtgagttct ccgagttata tgcacccggt 120
 agaatcaaag cggtaatcaa aagcagaatt tagaggattg aaaaagatgg ttttgggggtg 180
 tttccctttg aaaagcaaga anaaacgtgg ntctgtttct atgaagcggg tggatcttga 240
 agaaagcaag ccaactgctt acctgagcca ccaaagattc caagtcgtaa tttacaatca 300
 gctcctccga agtttcaaga actcgtgggtg aagccaattc aatctaaca cggtgggaac 360
 cggagagatg agtagcccga gcangagtca tgtctgctcc gtcaagcatc ca 412

<210> 9943
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-F5
 <400> 9943

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 tcaataatga agcaatctct tcttctatcc ttcgtgttac tactactctc atcatcatca 120
 ctctgacac caatccatgc acgtaacaaa tcaaaccgg caaagtctcc tggtgggtgct 180
 ccagcaccag gaccatcaag ttccgattgt tctacagtaa tatatagcat gatggattgt 240

ctcgggtacc ttggtgtcgg atcaaacgaa actaagccag agaaatcgtg ttgtactgga 300
 atagaaactg ttttacaata taaccacaaa tgtatttgtg ctggtttggt tagtgctggc 360
 gaaatgggaa ttgaactgaa tagcacaaga gctcttgcaa canctaaggc ttgcaaactc 420
 tccattgntc cccctcaa 439

<210> 9944
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-F6
 <400> 9944

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 tcctggaaga agcgttggtt tacccttacc cgaacttctt tggctctttt caaaaatgat 180
 ccaagtgcac taccacaaaa gggaggtgaa gtaaatttga cccttgaggc cattgacttg 240
 aacagttcgg ggagtgtcgt ggtgagagaa gataagaagt tgctgactgt actattccca 300
 gatgggcgtg atggacgagc cttaccctt aaggctgaga cattggacga cttgtatgaa 360
 tggaaggctg cccttgagca agcccttgca caagctccca atgcagcact tgtaattggt 420
 caaaatggaa tnttcccgaa c 441

<210> 9945
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-F7
 <400> 9945

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 tccagatcca aggaattgga ggaagaataa tgtcggcaag gcatgggcaa tcgtcgtatc 120
 gagatcggag tgacgaattc ttcaaaattg tggagactct aaggagatcg attgctccgg 180
 ctccggcggc gaataatgtg ccgtatggta ataatcgga cgaatgggtgc agaagagagg 240

atcttatcaa caaatccgag ttcaacaaga gagcttctca tattgggtta gctattaatc 300
aaacgtcgca gaagctatcg aagcttgcca aacttgcaaa gaggacatca gtgtttgatg 360
atcctactca ggagatacaa gagctgacgg tagtcatcaa gcaagagatt ctgctccaaa 420
atctgctccg gncgaa 436

<210> 9946
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-F9
<400> 9946

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa 180
tggcgtcgac ggtaggagtt ccatcactat accaagttcc tcaccttgaa atctccaaac 240
ccaattccaa aaagaggtct aattgtttat ctttatctct cgataagcct ttcttcactc 300
ccttatctct tgttcgtaga actcgtcgta tccattcctc ttctcttctt gttccttctg 360
ctgttgctac tctaattct gttctcagtg aagaagcttt caaaagtctt ggtctttctg 420
accatgacga atatgacctt gacgggggac aacaacaacg ttgaaagctg atgatgggtg 480
aag 483

<210> 9947
<211> 481
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-G11
<400> 9947

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gagacatctc ggtgaagaag tagcagagat gtcgacggtg tacgtgctag agccgccgac 120
aaagggaaag gtcattgtaa atactactca tgggtccaatc gacgtcgagc tttggcctaa 180

ggaagcgccc aaatccgtac ggaacttcgt tcaactatgc ctcgagggtt actttgacaa 240
caccatcttc catcgtgtca ttcccggttt tctcgttcaa ggcgggcgatc ccaccggctc 300
cggaaccggt ggagatagta tatatggagg tgtctttgcc gatgagttcc attcaaggct 360
gagatttagc caccgtggga ttgttgccat ggctaatacg aagctcacct aattctaata 420
gaagtcagtt ctttttctact ttggataagt gtgattggct gataagaagc aactatctt 480
t 481

<210> 9948
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-G2

<400> 9948
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cgatcccatc caaaaaccaa aactcgtct cgggtgatcg tctttcgaaa atgaatttct 120
taaactcagc tgcattcatt tgcagaagag ttagtctgag ggaactcatc actgaggttc 180
ctgcttatac tggcagcagc atttccgatg gttcttcaag tgggttgagt ttggtcttga 240
agcgttgggc tactaagaaa accgctgggt ctacaaagaa cggtcgtgac tctaattcca 300
agtttcttgg tgtaagaaa ttcggaggag agagtgtgat acctggaaac atcatagttc 360
gtcaacgtgg gaactcgggt tcctctgga gaataagtcc ggaattggna ag 412

<210> 9949
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-G7

<400> 9949
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnct ccaaagctga agtggacacc agaagaagaa acagctctta aagctggagt 180

acttaaacad ggaactggaa aatggcgtag cattctctca gatcctgtgt atagcacaat 240
tctgaagtct cgttctaatag tggatctcaa ggacaaatgg agaaatataa gtgtaacagc 300
tttatgggga tctaggaaga aggctaagct tgctcttaaa agaactcctt tgcggggtaa 360
taagcaagac gataacgcta cagctattaa cattgtgggc cttanccaaa g 411

<210> 9950
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-H1
<400> 9950

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aagcacattc ttatctcttt ctgaaacgag ttcccaaatt agctctacaa aaaccaggat 120
cttgatttct catcagttaa acatgggaac tcctgtcgaa gtctctaagc tccatttctt 180
gctcttcctt ttcattggctc atggncatat gataccaact ctagacatgg ctaagctctt 240
tgccacccaa ggagctaaat ccactatcct cactacacct ctcaatgcca agctcttctt 300
cgagaaaccc atcaaatcat tcaaccaaga caaccggga ctcgaagaca tcaccatcca 360
gatccttaat ttcccttgca caagagcttg gtttgctga tggctgtgag aatactgntt 420
tcattcttct caaacctgac ctaaacgttn gggac 455

<210> 9951
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-H1
<400> 9951

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tccgagcaat aaatctcacc tccctttttt ttttttttgt ctgctactt ttgattatca 120
tttaaaacca aaaaacctac catgaatgag aatcacattc aaagtgatca catgaacaac 180
accattcatg taacaaacaa aaaactccca aacttcctct tatccgtacg tctcaaatat 240

gttaaacttg gttaccatta cctaactctcg aatgccgtct acattctcat actccccgtc 300
 ggctctctcg ccgcaacctc ctctctcttt agtctcaccg atctcacact cttatacaac 360
 caccttctca aattccactt cctctcttcc actctcttcg ccgctcttct tatctttcta 420
 accacctctt acttcacaac tcgtcctcgc agaattcttc tcctcgattt cgcttggtac 480

<210> 9952
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-H3
 <400> 9952

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 ccatagctga gagcttcttc tactttccct tagcttcttt ttctcttcat ttttggttcta 120
 cccttgcgaa tctctgaaat gaaccctcaa gctaattgacc ggaaggagtt tcaggagat 180
 tgttcggcga cgggagatct cacggcaaag cacgattcag ctggaggaaa cggaggtgga 240
 ggtgctaggt ataagctgat gtcaccggcc aagcttccga tctcgaggtc gactgatatc 300
 acgattcttc ctgggttgag tccgacttcg tttttggaat ctctgtttt catctccaac 360
 atcaagccag aaccttcccc tactactggt tctttgttca agcctcgacc aatgcacatt 420
 tctgcganct caaattctta aacaagggaa ggggggttca ancaaggaaa cctt 474

<210> 9953
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-H5
 <400> 9953

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 aagacggtgg tggaacctct aatggctccc tatcagctc tgctactgca actgaagatg 180
 atgaattggc tataggcact ggatatcgtc tgctccacc tgagatcana gatattgtag 240

atgctccacc agtcccggct ttatcatttt caccacatag ggataagata ttgtttctca 300
 agcggagagc attgcctccg ctgcagatt tagctagacc agaggagaag cttgctggtg 360
 ttcgaattga tggatactgc aataccaaga agcagaatgt cattccana 410

<210> 9954
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-H8
 <400> 9954

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 gaagctgac agaaagggtt acctgattca attagtgtt actcagttgc attacccaaa 180
 ccactgagta aaggcgatac ttgacgctg gaggtagttg ctgcattcac caatgtactt 240
 cagccatttc ctgaaaagat aactcagggt gaaatccatc ttgttatgct ccaagaaagc 300
 gcacaatatc tctctcctta cgcggttgag tctcagtcac tgtctatcaa actaccgaat 360
 gccagaatcg aatcttacac caaattcgag aatacaaagc tccanggatn agagctcaaa 420
 tatggtccct acaagaatcc nc 442

<210> 9955
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-H9
 <400> 9955

agaagaagag ataatgcaga tcttcgtcaa aaccctcacc ggcaaaacta taaccctaga 60
 agttgagagc agcgacacca tcgacaatgt taaagccaaa atccaggaca aagagggcat 120
 accacctgat caacagaggc tgatttttgc tggttaagcaa ttggaagatg gccggacctt 180
 agctgattac aacatccaga aagagtctac tcttcatctt gtcctcaggc tcagaggtgg 240
 aaccatgatc aaggtgaaga cactcactgg aaaagaaatc gagattgata tcgaaccaac 300

cgacactatt gatcggatca aagaacgtgt tgaagagaaa gaaggcatcc ctctgttca 360
 ncaaaggctc atatatgccg gaaaacagct tgctgatgac aaaacg 406

<210> 9956
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-078-Q1-E1-A1
 <400> 9956

acgcgtccgc nnaagttatg ctaccgagga agatggagat tctcaaccat tcttcaaagt 60
 ttggatcacc ggatcctctt catgttcttg ccgtcgacga cagtcacgtt gatcgtaaata 120
 tcatcgagcg tttgctcaga gtatcttctt gcaaagttac tgttggtgat agtgcaacaa 180
 gagctctcca ataccttggg ttggatgttg aggaaaaatc agtcggtttt gaggatttga 240
 aggttaattt aattatgact gattactcaa tgcccgggtat gactggatat gaactcttga 300
 agaagatcaa agaatcctca gcttttagag aagtancggt ggtaattatg tcttccgaga 360
 acattttgcc tcgtattgat agatgtcttg aagaaggggc tgaaganttc ctactgaacc 420
 ggtaaaaccc ccggtgtaaa aagattaaga gant 454

<210> 9957
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-F4
 <400> 9957

ctctacgcgn tctttaccgg ccannaattc ccggatcgac ccacgcgtcc ncccacgcgt 60
 ccgcggaagg gtgggtgcga taacaatggc cgaaactatg aaagatatta cgatgaagaa 120
 cgatgaatca caggaagaag aaatccccga tcaatttctc tgctgcgttt gcctggaact 180
 tctttacaag ccaattgtgt tatcttgtgg tcatctatca tgtttttggg gcgtacataa 240
 gtccatgaat ggctttcgtg agtctcattg tccgatatgt agagaccctg atgttcactt 300
 tccctctgtg tgccagaagc tttattttct gttaaagaag atgtaccac ttgctcataa 360

gaagagagaa gaacaagttt taaaggaaga gcaagaacga gaatgttttt ctcctcagat 420
 tgatcntgtt ttggatttgt cngtgtgtan tgganaatcc cccaaaggcc cc 472

<210> 9958
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-D12

<400> 9958

acgcgtccgc nagtttcata gtcactaacc taaaagaatt aatggaggaa actcggagga 60
 ggtttgtcat atcctctgtt ctaagtgttt ctttgatcta cttatgtctt tcgacatgtc 120
 acgtttccgc cttcgacttc ggtagaaggc agctccggtt taatactgat ggtcgggttca 180
 agatactgca agtgtcagat atgcactacg gttttggcaa agagacgcaa tgctcagacg 240
 tttcacctgc agaatttcct tactgctccg atctcaatac tacctccttt ttacagcgaa 300
 ctatcgcttc cgagaagccc gatctcatcg tcttctctgg agacaatgta tatggattgt 360
 gcgagacaag tgacgtggca aaatcgatgg acatggcatt tgctcctgcy atcgaatcgg 420
 ggattccatg ggtgg 435

<210> 9959
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-D3

<400> 9959

acgcgtccga tccgatcaga aaatatgagc gaagaactaa gtcaaaagcc atcatcagct 60
 cagtctctgt cactgagaga gggcagaaat aggtttcctt ttctgtccct gtcacagaga 120
 gagggcagat tttttccttc tctatctctt tcagagagag atggaagaaa gttttctttt 180
 ctcagtatgt tctcttttct catgccactg ttggagggtta ttaagattat tattgcttct 240
 gtggcctccg taatcttcgt cggtttcgcc tgtgtaacct tcgctgggtc tgccgcagca 300
 ttagtcgtaa gcaccccggt tttcatcata tttagtcctg ttctcgtacc agctacgata 360

gccacggttg tcttggcgac aggattcacg ggcggtggct cctttggagc canagcactt 420
 ggg 423

<210> 9960
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-D5
 <400> 9960

tcccgggtcg acncacgcgt ccncagacaa ctctttctcc tttcttctct cttctctgtc 60
 tcatcacaaa ccagaaatgg gaggagtgtc cttcctctcc actgttcctt ccttcaccaa 120
 cacaaccaat catcaacatc tcaactacact ctcttcttct tctcatcgct ctgctgttat 180
 acgatgttcc aagattgaac ctcaagtttc cggtgaaagt ttagctttcc accgccgtga 240
 tgttctcaaa ctgcgccgca ctgcagtcgg aatggaatta ataggcaacg gtttcattaa 300
 caatgtgggt gatgcaaaaag ctgctgactt gaatcaacgt agacaacgat ccgagtttca 360
 atcaaagatc aagattttgc tttcaaccac cattaangct aaaccggagc ttgtaccttc 420
 cttacncaaa ctagctcccn atgatgct 448

<210> 9961
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-D6
 <400> 9961

acncacgcgt ccgggaagat ctccatttgt atccaaccaa nanaactctc cgggaacacg 60
 ccggagatct caaaacacta attagctccg ccattacnaa ccaggagact tgtctcgacg 120
 gcttctctca tgacgacgcc gataagcaag ttcgtaaagc cttgttgaag gggcagatac 180
 acgtagagca catgtgcagc aacgctctag caatgatcaa gaacatgact gatactgaca 240
 tagccaactt cgagcaaaaa gctaaaataa cctcaaacia ccgtaagctc aaggaggaga 300
 atcaggaaac tacggtggct gtagatatcg ccggagccgg agaactatac tcggagggat 360

ggccaacttg gttatccgct gganatagga ggcgt

395

<210> 9962
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-D7

<400> 9962

tcccgggtcg acncacgcgt ccgaaaaaac attttttctc tataaatcct ttattattgt 60
tataaaaact ccgatggntc ggcaaaattc cgatgacatc atgagatttc tcgatggaat 120
ggctagctcc gacgacgttc ttttcggttt tcttgacgaa ggaaaccagt caccggaaga 180
tttctccgta aacctcaacg ccggcgaaga tgacgggtgac gaagacgaca ataataacaa 240
ttctgaagat aacaaagctt tttggcagga acacgaacaa cttcttcagg ggacactgta 300
taggacaagt tccattgaga caaagattag acaagctaca aaagaagcgt tgaaacaagt 360
taaataaag ggtctttatt gtgtttgccg gcgaccagtg gacngcgggt gccggagttg 420
cctangtggc gaaatcccta gacacccaan ggga 454

<210> 9963
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-077-Q1-E1-D9

<400> 9963

acgcgtccgg gttttgcat tggtaacggt ttaaccaacc cggagatcca atatggtgcg 60
tatggggatt atgcactgca aatgaagttg atttcagagt ctgaccacga gagcctcaag 120
caagattacg ttgagtgtca aaatataacc aaaaaatgca gtaatttcaa taaaaagctc 180
tttcttcttt attttcgta gatacatatt gttcgagtta aaagataaga aacttatatt 240
ttgttaatat caggctcttg tggtggttta gtttgtgatt ctgctgttga agtttgcacc 300
agtatcttca acaagatagt ggcaaaaaaa agtggcctaa atgtaagcat aaaaaacctt 360
aaactgattg tgttttctca ataaaatttc ttttgtttac gagatttcct cgatttgttt 420
gaagtattat gaca 434

<210> 9964
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-077-Q1-E1-E12

<400> 9964

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 gatgaaagct ctgcttctcc tgcaaaacaa cctcactggc tctatccctg agtcctacgc 120
 taactgtttg actctgcaac gggttcagagt tagcgagaac aacctcaacg gaactgttcc 180
 cgcgggactt tggggattac cgaagctcga gatcatcgat atagagatga ataacttcga 240
 aggtccaatc accgcggata taaagaacgg taaaatgctc ggagcgttgt atctaggggt 300
 caacaagttg tctgatgagc tgcctgaaga gataggtgac actgaatctt tgactaaggt 360
 tgagcttaac aataaccggt ttaccgggaa gattcctagc tccattggga aactcaaagg 420
 actta 425

<210> 9965
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-077-Q1-E1-E4

<400> 9965

aacttttacc cgnccctttac cggccaagaa ttcccagagtc gacccacgcg tccggaagat 60
 acatgccata ttggtagtag cgttcttggc cctgatgaag accgccgttt cccaggacaa 120
 taatccgctg gaacattgca gagacgtgtt cgtgagtttc atgccctgca tgggcttcgt 180
 cgaggggaata tttcaacaac cttctccaga ttgctgcaga ggcgtgaccc acttgaacaa 240
 cgtcgtcaag tttacgtctc caggatcgag gaataggcag gatagtggag aaacagagag 300
 agtgtgtctg tgcattgaga taatgggaaa tgcaaatcat cttccttttc tccccgccgc 360
 tattaataac cttcctctcc gttgttctct tactctcagc tttcccatct ccgttgatat 420
 ggactgttcc cagttcagaa acancaagaa tccccgacgt tnggaaatth aatttacttc 480

ccagggn

487

<210> 9966
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-E5

<400> 9966

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aaaagagaag gcatggccgc ggaagaagcg acggagttct acctgagata ctatgtcggc 120
cacaaaggga aatttggaca cgagttcctg gagttcgagt ttagagagga cggtaagctc 180
cgttacgcca ataactctaa ctacaagaac gatactatta tccgcaagga ggtatttctc 240
acccccgccg tgctcaagga atgcaagcgt atcgtctccg agagcgagat tctgaaagaa 300
gacgataaca attggccgga acctgaccgt gttggaaagc aagagctcga gatcgtcttg 360
ggtaatgagc atatctcatt cgctacatct aagattggat ctcttggtga ttgccagagc 420
agtaatgac ctgaaggact tcgcatcttc tactatcttg ttcaagactt gaaatgtcct 480
gntttttcc 489

<210> 9967
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-E6

<400> 9967

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cgtcattttc accgcctcca ccgtacatgg tcgtcataat ggtgcagaag atatcgtgca 120
ttcctcctgc gaacacgcga gctatccatc actatgcgtc cgtactcttt cgtcactc 180
cggccaacc atcaccaacc gccgcgatct agctcaagcc gccataaaaa tcagcctctc 240
ccacgctcaa agcgccgcga agaaactcgc ggtgggtgcga gactcgggtg ggaagaagaa 300
gcaagagaaa gcggcgcttg tggactgtgt ggagatgatt ggagactctg tggacgagct 360

aagccgtacg ctcggcggtt tgaagcacct ccggtgtctc tggcggttca actaaagagt 420
tccgggggca aattaacnat gcacaaa 447

<210> 9968
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-E7

<400> 9968

acgcgtccnc ccacgcgtcc gttgaggtca cattttctag ctgtgttcct tttctcagca 60
actctctcat cttgcctcgt agtctcggct tcgctcgtgg aagggaaagt ctcttgtttc 120
gactgtccca atgattatga ttattcagga atcacggctg gagttagctg tagccacaca 180
aacacgcggt tcaactgtaac aactgacaag aagggtgact tcatatcgga acttcacctca 240
aagatcgaat caaactgtga agcagaactc caaggcagcg tcaagcaact ttatgcttcc 300
aagaataacg ttaagtcgaa gattgttaag cttggcggtg acaaatatgg tctctcttcc 360
aagttgttct tcttgaaatc atgtccaaga agcttcggat cttttaattc gtccaaaaac 420
gttgaattaa caattcct 438

<210> 9969
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-E8

<400> 9969

cctttacgcg nccagtaccg gtcangnatt cccgggncga cncacgcgtc cgtaaaaccc 60
aaaagaaact aggaagagga gtaaataata tttgttttaa agaaatgatt ctccacaaaa 120
tggcggttctt ggccgttatt ctcttcttct tgataagcag cagcagcggtt tgcgttcata 180
gccgtgaaac gtttgcttgc gatacaaagg acgcagcaac agctacactg agattctgcc 240
agctttcagt tcctataccg gagagagtca gagatttgat cggacgggtg acattggccg 300
agaaagtgag cttgttaggg aacactgcgg cggcgatacc acgtctagga atcaaaggg 360

acgagtgggtg gtcggaggct ttacacggcg tttcaaattgt gggacccggg actaagttcg 420
gtgggggttta cctgcagcc accagtttcc ctcaagtcac cancaacgtt g 471

<210> 9970
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-F10

<400> 9970

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cttctctcca agaaatcttc actttctctc tagaaaaaag ttggaagctg actcgataaa 120
gactctcttt ttcttcttct tcttgcaaat ggcgatcgag gatcaagaga acacaatccg 180
tgaaatcaaa cctaagaaca gaagaatcat gggagctggg ggtccggagg aagaggagaa 240
ccggtggccg ccatggttga aacctttgct taaagagcaa ttctttgttc attgcaagtt 300
tcatggagac tctcataaga gtgaatgcaa tatgtattgc ttagactgca ccaatggccc 360
actttgctct ctttgtcttg ctcatcaca ggatcatcgc accattcaag ataaggagat 420
cttcttatca tgatgttata aggggtgaatg agatacaana gtatcttgat ataggtgg 478

<210> 9971
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-F2

<400> 9971

cttttaccgg ncctttaccg gccaanaatt cccggatcga cccacgcgtc cgccaaaaac 60
caatcccaga tctgaatctc aacctaaacc tcagattcat catcatggct tcttcttcta 120
actacgatgg aatccttctc ggtatgggta acccactcct cgatatctct gccgtcgtcg 180
acgacgaatt tctcaccaa tacgacatca agttgaacaa tgcgattctc gcggaagaca 240
aacatttgcc catgtatgat gagatgagta gcaagttcaa tggtgaatac attgccggag 300
gtgctactca gaactcaatc aaagtggctc agtggatgct tcaaattcct ggggcaacca 360

gttacatggg atccattgga aaggacaaat atggagaggc catgaagaag gatgctacag 420
cagctgggtgt taatgttcac taataagaan attaatccgg aactaaaggg aactttgggg 480
tccgggttnt 490

<210> 9972
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-077-Q1-E1-D1
<400> 9972

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ngcccacgcg tccgcggacg cgtgggtttt aactttggct gctctgtctc aatccctcga 120
gacttaaacc cacttagtac aatctccata taatttgagt agaacctaaa agatcgaagc 180
ttgaggaaaa tggtccttc caatggcgca aaggttcttc gcttggtgag tcgtcgatgt 240
ctctcttcat cgcttattca agatttagcc aatcagaaac tgagaggagt atgtattggg 300
agttatagga gattgaatac gagtggtggc aatcatgcta acgtgattgg agattacgct 360
tcaaaatctg ggacatgac ggaaatggat caactttgga ggttttaata ctaattttgg 420
ttctacaaag ncctttcaag gnacaaggtc ntcgtttaag tccggctnaa gggctaacaa 480
aatgtttttt g 491

<210> 9973
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-F4
<400> 9973

cacagagctg acgttagcat ttgtctctga aatcccagat ccgaaaaccc aacaatggcg 60
tcagagaaca acggatccag atccgattcc gaatccatca ccgtcccaa agctgattcc 120
accgtcgttg aaccgaggaa gatagctctg atcaccggaa tcaccggcca ggacggatca 180
tacctgacgg agttccttct cggaaaaggc tacgaagttc atgggtctgat ccgtcgatca 240

tcgaatttca acaccagcg aatcaaccat atctacatcg atccacacaa tgtcaacaaa 300
gctctgatga anctccacta cgccgatctc accgacgctt cctctctccg tcggtgggat 360
cgatgtgatc aaacctgacg aagtttatna cctagctgcn caatctcacg tcgctg 416

<210> 9974
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-075-Q1-E1-F5
<400> 9974

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atcatatatt gggattcttc agaactctggg agcttccagc tcatgctatg actggtttag 120
tggggaagtt ccgtccatct attcctttaa gtcaggaaga gttggaaaag gagggaatat 180
gggattttga ccgcttaagc aagccctata tccagaagaa gtttcttgag gagaaatttg 240
gagatTTTTTg gccttttatt gcatcaaact ttcttaatga aactcagaag gacatgtatg 300
agttcaagga ggactgcaac acaagagaag aagattgtac caaagctgaa gtcattggct 360
gagaagtctt tggtgctaga aaatgaggac aaagtctgac gtgatgtctt tgacatttta 420
cggaatgttg ttctgatcaa agatccaga 449

<210> 9975
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-G1
<400> 9975

ggagagaaga aggtaaagag agaagatana aacataaaat gtcngataag aagggaagga 60
aagaggaggt ggtgaccaga gagtacacca tcaaccttca cagacgcctt catagctgta 120
cctttaagaa naaggctcca aaggcgatca angagataag gaagtttgct gagaaggaaa 180
tggggacaaa ggatgtgaga gtggatgtta aattgaacaa gcagatttgg agcaaangta 240
tcanaggtcc tccgaggaga atcatgagtc cgagttgctc gtaagagaaa tgatgatgaa 300
gatgcaaang aagagttctt ctctcttgct actgttgctg aaatccctgc tgaaggantc 360

tctgngctcc gcactaanat cattgaagaa gaaggattaa ctatcttan

409

<210> 9976

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-075-Q1-E1-G12

<400> 9976

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ntaatcagtg cattttagag agaagatnga gatanagatt acctttcttct tctttcttctt 120

ttttgtcaaa gagagagatt acctttcttca taggaaaaga tttctttctt cttctgcatt 180

ccccaaattt tatcttccca agaaacccaa cacagaagaa aatcttaaag tttagnaat 240

tgtggtggag atgaaagttg gagctccggc aagtaagccg ggtcggatca ttgntcaagt 300

ttttcttcta caacttcgtc ttcttcttca aagtgttcat tcacagagat nacanaacaa 360

acttaacatc acaaagcctg gacaaaacat ancaacctta acaagttcag ctaaaggaga 420

gttggccaat gatacgggtg tagttgataa tgggnattgtc caagttactt tctcgaa 477

<210> 9977

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-075-Q1-E1-G4

<400> 9977

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agagccaatg ttgctcagtt agagttaaag ttaagccttc ttaagccact gggaatcacg 120

tcttcagacc ttgtgaagat tcttaactgt cgtcctaggt tctttagttg ccgtcttgtc 180

cttgatgaaa ggatcaacta cttcatggag attttggggc caaaagaggt gttgcgcaga 240

gtcattatcc ggaatccgtc actcatgttg tatgacctcg atgacaagat caaaccgcg 300

atagaatact acaaagggtt gggcttttagc caacaggatc ttgtcgcaat gttgatatcg 360

cgaccacgt tgattccaag aacaaacttt aacaatgaga agtttgaata cattgagaaa 420

actgggatca ncaaa

435

<210> 9978
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-G7

<400> 9978

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taactttatt ttccagttat ttcatatcaa cagatgctgt gaatggatca tttcctgcgc 120
ttttggcttt tggagattca attctcgata ctggcaacaa caattttctc ctgactttta 180
tgaaaggaaa tatctggcca tatggaagga gtttcagcat gagaaggcg acaggaagat 240
ttggaaatgg aagagttttc nctgatatag ttgctgaagg ttagggatc aagaagattt 300
taccagctta tcgtaagttg ttcaattctc caagtgcct tagaactggg tgtttgcttc 360
gcatcangtg gtgcaagagt tgaccctgtt acatcccaaa ttgccgaaaa nttttaac 418

<210> 9979
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-075-Q1-E1-H10

<400> 9979

atttcaaatc aaaatctctc tctttctctt atctctaata gcgttgagga acattgaaaa 60
cgctcttccg atctcacagg aacgacctaa gaagctggcc aaactctcaa agcaaccgga 120
gattggtcta aatgacgaaa acaaccctgt cgctgtggct gaatcgaccg tcgaatacgt 180
tgcttctgag aatctcaaac cattttcaga tctgaatct tctgtccaga gattacttga 240
agaattagca tcaaaggatt ggattaaagt atgtgactca ttgaacaaca caaggagatt 300
tgcaattcat cactcttctc tgttgctacc aattctagaa aagcttatag ttgtgatggg 360
gaaggcgatg aagaatccta gaagtgcatt gtgcaagact tcgattatga cttgttctga 420

<210> 9980

<211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-075-Q1-E1-H11

 <400> 9980

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 tactgtcccg gggcatattc gggttgaaca gtttattcat ggatcagcaa gtcagtcaca 120
 agatattgaa actgtcaagt tgatggaaga aaacaagaag ctccgagcaa aatgtttgga 180
 ccgcaagggtg cgaagtcaga accttgaagt caaggccatg aatcttagga gtgagctcga 240
 gaactataaa agtgagtatg aaaggttaat gttagagcta caagctttgg atttggtgaa 300
 agacgagcac agaagaaatg taaatacgta gaaacttcct ctgcacttaa aaaaacactc 360
 ttttttggct ggtcgtatcc atcttctagg tatgaaaact agagattctt agtttatggg 420
 ct 422

<210> 9981
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-H12

 <400> 9981

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 ccgccaccgc cgccggaaaa tctacggatg gtgtttctga gtcacttaac atccaaggag 180
 aaatcttatg tgggtggagct gcggcggata tcgccgggag agattttggc ggcatgaact 240
 gtgtgaagcc tcttgctgtg gtgagaccag tgggaccgga aagatatcgc cggagcgggtg 300
 aaagcggctc tgaggtcaag ataaactaac ggtggcggcg cgtggaaacg gccattctat 360
 caacggtcaa gccatggcgg aaggaggact cgttgtcgat atgagtacca cggcggagaa 420
 tca 423

<210> 9982
 <211> 438

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-H2

<400> 9982

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gcgtctaagg taatctctgc cacaatccgc agaaccctaa ccaaaccaca cggcactttt 120
tcccgggtgc gctacttata aaccgccgct gctgcgacgg aggtgaatta cgaggatgaa 180
tcgattatga tgaaaggagt tcgaatttca ggtagacctc ttacttaga tatgcaagcg 240
acgactccga ttgactctag agtattcgat gcgatgaatg cttcacagat ccatgagtat 300
gggaatcctc actcggaac gcactcttac ggctgggaag ctgagaacgc cgtcgagaac 360
gcacgaaacc aggtcgcgaa actgatcgaa gttcaccga aggagatcgt atcgtgtccg 420
gtgcaacgga aggcgaan 438

<210> 9983
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-H4

<400> 9983

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ctccggtgag aaagccacac acatcgaccg cagatctact tacttggtcg gaagttccac 120
cgccggattc tcttctctcc gtttctcgct ccgccgttcg tttccaccag ccatcggatg 180
ggattagcaa agtgggtgtt ggtggtcaag tcaccgatga agaagttgag agcttgaacc 240
gcaggaagcc ttgctcagaa cataaaatga aggagataac tggcagtggg atcttttctc 300
gtaacgaaaa agatgatgcg tcagagccat taccagttaa tcaagcaagc agttaatggt 360
ataagccaga tatcatttgg tgaangangaa aatctatctc ctaaaagcc ggctactgta 420
cctgaaattg ngaaacaa 438

<210> 9984
<211> 436

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-H6

<400> 9984

aggtttcang agctaccaga gtttgatgaa gctaaaagaa nctgcaggag gcgcttagct 60
ggacacaatg agaggaggag gaagatctct ggtgacagtt ttggagaagg gtcaggccgg 120
agaggggttta gcggtcaact gatccagact caagaaagaa acagggtaga caggaaactt 180
cctatgacca actcatcatt caagcgacca cagatcagat aaaccctccc gctctctctc 240
ttctgtcatc tacatatgct ctatctacac tcttattaga caatataatg gcatctaaca 300
atgtcaagaa aagttggtca tggattataa tcttacacgg atatataact ataaacctct 360
agteccctct atgctgtcct gtaatgaata tctatccgga aatgtattcg catantcctg 420
cctctaataa agttta 436

<210> 9985
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-H8

<400> 9985

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attccatcaa actcaaggag tttcgtttct ctgatttctt cgattgagat aaggantaaa 120
tggcgacaga tgattttttt agcttgacaga nagaatattg gngacaagtg gcggaatccg 180
atggtttcga tattgagagt gttcaaatac naccanctat gtatggaagg atcaatggac 240
tgattcccca naactgtgaa atcaatacnc cgcttcctta ccgtgtcttg ggcaagcact 300
atgctaagct tgggcttcat cgttacaata tgttgaaggg gactaaattc gagttcggtc 360
gcctaatagaa attcaacatg ttacanaact gtgtggcctc tttccacata accttgaaa 420
gcatacgaat acggtgttcc ctggcaaaa 449

<210> 9986
<211> 423

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-076-Q1-E1-A10

 <400> 9986

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 tganaagcta agcacgcaaa tccacanggc gtgtcncaaa tgccggaaag gcaacactgc 120
 ttgctcttgg caaagccttc ccaanccaag tcgttcctca gganaatcta gtggaaggat 180
 ttctacgaga caccaaagt gangacngt ttatcaggan ananagctgg aacacttgtn 240
 cagaacgaca accgtgaaga cagatacac tgtgttgacg cgatagatac nggcnaaatc 300
 ncctgagcna acaacagagg gttcaccagn aatcanngca aagacttgaa attgcaaacg 360
 aggcggttgt ggaaatggca ttgggcagcc agtttaggtt catcaaggga atgggggaaa 420
 gcc 423

<210> 9987
 <211> 289
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-075-Q1-E1-F12

 <400> 9987

 gtaaccaatt gagcatgact tgtttgagga atgggaaatc agcatcttac attttggcaa 60
 atccctcgga ttcacggatt aatagcttat gtgttcagct ttgccgttga tttactgatt 120
 tttagaaata tgatagatac agtgtagagt gtgtttgtgt acataataat attttttctt 180
 gcttattatg tgtatgtttt atagaggccc ttgttcaata aataatacaa tgttttccta 240
 aattactata acggtgcttt gctacaaaaa acaaaaaaaa aaaaaaagg 289

<210> 9988
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-076-Q1-E1-A12

 <400> 9988

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gcctaattggc tttgcggttt cttccatttt cgacattatt tcaactcgcag atcggttgaga 120
agtaaaccgc gtttctttct tcacaagttg cgcttgcttc tcgaacaagt tttcaagact 180
gaactcgctt gagctagaga taagttcgaa agcgttcattg gatacagggtt tctccttctt 240
ctcagttaca agacattcct tggagttact aaaagcagca tcaacatcat ctatgggttat 300
gtcctcgtca tcttgggtcaa atgatggcgg cttgtaccct ttcttgaacc attcatctcg 360
gacgcgtggg gaaaaacctc ctaagctcaa aaaatgttgg ttgagaaacg aatggcgg 418

<210> 9989
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-075-Q1-E1-C12
<400> 9989

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gttctccatg ccagggacaa ggagattcat ggttctgtgt agttcccaga aggaaagtca 120
gatgacagtg tcagtaactg gagcaactgg attcataggg agacgattgg ttcagagact 180
tcgtgctgat aaccacgcta tccgggtctt aacacgctct aaatccaaag ctgagcaaatt 240
atttctctgc aaggacttcc caggtattgt gattgcagaa gaatcggagt ggaagaactg 300
tgtacaaggc tctactgctg ttgtgaactt ggcaggactg cctattagta caaggtggtc 360
tcccgaagat caagaaagag attaagggca gccggattcg tgtcacctcc aaagttgttg 420

<210> 9990
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-C6
<400> 9990

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acgatggaca tccccgacag tgttaccatc aaggntcacg caaaagtgat cgaagtccaa 120
ngacctcgcg ggaagcttgt tcgcgatttc aagcatctca ncctcgattt ccagctgac 180

aaggatccan agactggaaa gaagaagctt aagatcgatt cgtgggttgg aacacgcaaa 240
accagcgcct ccatcagaac cgctcttagc cacgtcgata acttgatctc cgggtgttacc 300
agaggtttcc gttacaagat gaggttcgtg tacgcccatt ttcccatcaa cgctccatc 360
ggcggtgacg gaaagtctat cgagattcgt aacttccttg gcganaagaa cgtgaggaaa 420
ggaacccatg ttggatngtt 440

<210> 9991
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-C7

<400> 9991

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ccaactgtctc taagtcccc acggtttttt ccttcggatc cgcttcctca tcttcgggc 120
aagactgtaa aaactccggt ggtgatggcg gtggcggttc cgttaccccg actagcattc 180
tccccgaggt tctttctctt tattcctaag tcgagattct ccaagcggtt aagttgatag 240
acagagacaa cgacggagct gtctctagac acgatcttga gtcgttactt agccggctag 300
gtcctgatcc tttagcggag gaggagatca acgttatgct tanagagggtg gactgcgacg 360
gcgacngtac gatnctctt gaagagcttg cgagtcgtgn tagtcncttt agattcggct 420
cgtgactcga ctgagctgaa ggagactttc gag 453

<210> 9992
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-D11

<400> 9992

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ttgctctctt aacacaacac aaaaaatgtc catcngtggt ggccaagctt accaacatct 120
tcccaagcaa gtaagccaaa atcctgacgt ggggtggatgg agtttcttgc aatatttctc 180

tgagccaaaa ggcattgtcc agaacagaga agacgacaca aagaaaacag cttatgtcta 240
 cccgatcgan aagcgttccg tagctaaact gagccttgag atgtgcacag agagcctcgg 300
 gaccgagaat gggagtgata gtgngacga gatgtcgta cttgcgcttg aagcaaccaa 360
 tatttcaaag agtcctcgtc tnactacnaa acctcaannn agaaactaac ttcaatgagc 420
 ccgtgg 426

<210> 9993
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-D12

<400> 9993

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 gaacagatat acaaaatggc ttctgtgaat ctttgttcta acatctctgg tcaaattctt 180
 gctatccttg tcatgagccc acccaagcct ggtgatgact catatgactc atacatggca 240
 gaatagagat ggaattctct catccatggc taaacgtgca aagactttgg aagacgctct 300
 caacagttta gaangtgta catgtaacag aggccgaagg agcaatgtat ctcttcncgc 360
 gaattaacct tcctcaaaan gctatccang ntgctgangc tgaaaaaact gcaccagatt 420
 cnttctactg caaacgcctt ct 442

<210> 9994
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-D2

<400> 9994

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 tgtggcaacg ttgggtctaca ccgacgaaag cgacaaatcc agattcgaat ggctctagtc 180

atggaaccgg tttagacatg gtgaccccag tttcgggtcg ggtagtgag atccagttcg 240
atgaccaag aatattgcct gagaaaattt cagagcttga aaaagagctt ttcgaatattc 300
aacatagtat ggggtcttctt ctgattgaga aaaaggagtg gagttcccag tatgaagcgc 360
ttcaacaggc ttttgaagag gtgaatgagt gtctaaagca ngaacgtaat gcgcatccga 420
ttgctatanc agatgttgaa aaaccggaag aag 453

<210> 9995
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-D5

<400> 9995

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cgtatgctta tgacccaaag caaggtgaat ggggaatgctg tgaaggcgag gttgcatttc 120
cgaggtecca atgtgtgatg gagagtgtat tgtacacctt tgctaataac tacacttggg 180
aggacgacta cgggtgcaag tgggtggtaa cggatggata tggggaaaan gtaaaagggt 240
tggagtcact antagagata cacaagagga atggtggctc aagtgataat acgactaaac 300
tagttgcttg tgggtgggaaa ctcttacttt tatgggaagg gtacatgaag cataatccca 360
ataatacgaa gaagatttgg tgcgcgggta tgcgcgttaga aaancgtnat ggaggtgaag 420
ttttggggaa ttgtn 435

<210> 9996
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-D9

<400> 9996

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cgtccgggtga cgtggcaaga ccgtgtcatc aacacaacag tcagagctca agcagacaat 120
caccaagtgg gaaaaggta ccaccaatt tgttgagacc gctgcttctt caagttcatc 180

gtcatcctca tctcatcct catcctcctc ttctgctgct tctcagcagc agggcaatgc 240
agcaatgggc aagactaatt gagtttaaag gtgaagttac tttattgcgc aaaagatcac 300
cagagaaaga cacaaccagt aatgccaaat antataataa gtanttaact attagataat 360
ttttcttgga nataanaact aaagatnggt anaggtaaag cattgcaatg cttatnaacc 420
tgntgtatgc aacgtnaaaa actcnggtan naanaacgtt nccanganan aattgtaacc 480
cgcttgtttg gttaa 495

<210> 9997
<211> 457
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-E1
<400> 9997

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agcgagtttt gacccaagga ttgttgacgg tctatatga acaagtaaac aaggatgcgt 180
aagtggatct gttgtacatg tcaaataaga gactcaaatg aagagcaaca actgaaaagt 240
tcacagcagc aatctgatgc aaatcataag aattcaaaac cagcacctgt tgcaaaacat 300
gaggtaaga aggaagctct tcccatcgag gtcctcctc tgtctttgga tgaggtaag 360
gaaaagactg aaaatttttg atccaaggca ctgattggtg aagggtctta tgggagagta 420
tattatgcga cactaaatga aggtgttggc nggtgccc 457

<210> 9998
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-E3
<400> 9998

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gcggcttacg ttaaatgctg attgtgtgtg tgttcttgac aacactgcat tgaacagaat 120

tgctgtggag cgtctacatt tgactaatcc tactttttgct cagaccaatt ctttgggtgtc 180
aactgtgatg tctgctagca caacaacggt gcgttatect ggatacatga ataatagactt 240
ggttggcttg cttgcatctt tgatcccaac tccaaggtgt cacttccctc atgactggga 300
tatacacggt tgactgttga gccgccaagc aaaatgtaat ccgtaaaaact actgtgctgg 360
atgttatgag gagacttcta cagacaaaaa atatcatggt ttcgtctaata gctagaaaca 420
aagaagctat caggcaaagt ncatatcaat attga 455

<210> 9999
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-E4
<400> 9999

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tctaacgcta agaagtttca cagacgcggc gaaggagagg gaggaaggag atagatctct 180
ttttccgtcg cgataataat aaaaaataaa cgtgtctaga ggctgttact gaagagttga 240
ttcatcacgga gagaggatag aaatggcaga tgggatatcg agcttttggg gtcctgtgac 300
ttctactata gagtgttgtg agatgaacta cgctactca tcctacattg ctgagttcta 360
caacactata tccaatgtcc ctggaatcct attggctctc attggctctg tcaatgcatt 420
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cgcagcatgc cccaac 496

<210> 10000
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-E7
<400> 10000

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 ttggcgccgc cgccgtcttc gtcttctcct gtatgggagc tgcttatgga acagcaaaga 180
 gtgggtgttg tgtggcttca atgggagtga tgagacctga gttgggttatg aagtctattg 240
 tccctgtggt tatggctggg gttttgggta tttatggact tattattgct gttatcatta 300
 gtaccggcat caatcctaag gctaagtctt actacctatt tgacggatac gtcacacctt 360
 cgtctggtct tgcttgtggg cttgctggac tctcagctgg tatggctatt ggaattgttg 420
 gtgatgcggg tgttanggca aatgc 445

<210> 10001
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-E8
 <400> 10001

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 agctaagttc gatgagcttt atcgggtcaag ctgggctatg gatcattgtg tcaacgaagg 180
 cgaagtcaca aaactcaagc ttgacaatta ctctggagct gggtttgaat caagaagcaa 240
 atacttgttt ggtaaagtct ctatccagat taagcttggt gagggtgatt cagcaggaac 300
 agtcactgct ttctacatgt cttcagatgg tccgaaccac aacgaattcg attttgagtt 360
 cttaggggaac actaccggcg agccttacat agtccagacc aatatctacg tnaa 414

<210> 10002
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-E9
 <400> 10002

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tgcgataacg ggactggaat ggtcaaggct ggttttgcag gtgatgatgc tcctagagct 180
 gtattcccaa gtatcgttgg ccgtccacgt cacacgggag tgatgggttg aatgggacaa 240
 aaggatgcat acgtcggaga cgaggcacag tcgaaacgtg gtatcttgac tctcaagtat 300
 ccaattgagc atgggtattgt caacaactgg gatgatatgg agaagatttg gcatcacact 360
 ttctacaatg agctgcgtgt tgccccggaa gagcatccgg ttttgctaac cgaagcgccg 420
 ccttaa 426

<210> 10003
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-C10
 <400> 10003

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 aggataggtc aagaatagca agagagcttc ggttgcaggt ttcaagaggt atgtttcctg 120
 tgaaactatt gttccatgca gataagaggt tgatagagag tgggtggtta ggaaatggtc 180
 ctctaaaatg gttataagcc aaatctaaaa gcctcaccga tgaattcact aaaacttcct 240
 ccgaaccttc taaatcgggtg aacaaattgt taaaaagatt cactctgcgg agacgaagaa 300
 ggttccaaaa cactcaggg actttccctt ttattttatt gttgggaaag gtctatatgc 360
 tccaatttcg taaggttctt taagatgggt gggaactcaa tgangccgca acttaacaag 420

<210> 10004
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-074-Q1-E1-H5
 <400> 10004

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 atcaatagaa gagagcgagt ctttgcttca aaagagtgtga gaattagctg ttgaagctcg 180

tgatagattc tgggagaaaag tgagcaaggt ttcaggacat agctataaca gagctcttgt 240
agctgcatct attggaagct atgggtgetta tcttgctgat ggctctgagt acagtgggtca 300
ctatgggtgag aatgtaagtt tggataaaact aaaggacttt cacaggagaa gacttcaaag 360
tcttagtgga agctgggtcc tgatcttctt gcttttgaaa ccatagcgaa taaactcgaa 420
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<210> 10005
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-H6

<400> 10005

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aaagagattg ttgacctgtg cttagaccgt atcagaaagc ttgctgataa ctgtactggg 120
ctccaaggat tctctgtctt caacgtgtt ggtggaggga ctggatctgg tcttggatct 180
ctcctccttg agagactttc tgttgactac gggaaaaagt ccaagttggg tttcacagtt 240
taccatctc cacaggtctc tacctccgtt gttgagcctt acaacagtgt cctctccact 300
cactctctct tggaacacac tgatgtctcc atcctcctcg acaatgaagc tatctatgac 360
atctgcagac gtcctctaag cattgagaag accaacctac accaanctca ancngcctcg 420
tctctcaagt tatttctctc ttgactgtc tctgaaggt tgggtggggcc nttaaagtgt 480
tgantgtcac tgagtttcca a 501

<210> 10006
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-A10

<400> 10006

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gttgaagaaa ttttgaaatt tgcagagaaa tttgcggaga aagcggaaag attagattta 120

tccatcgttt atcccagtaa aaagctttga tttttccaca tgtctttttt cccccctttt 180
 ttcgtattaa aagccctaga tatatatatc aaaattgaaa attatctgaa atcgatttcg 240
 tgggtttcaa gttccggttc ggttctcttt cttaaaatat tgatttctgt cactttccgc 300
 gatgaaaagt tttcgaattt tgcttctttt ggctccaaag tttttatctt tcaaataattt 360
 taaatctggg tacttttttg ttatgggntc cttctttggg gaantgtatc taggggcttt 420
 gc 422

<210> 10007
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A12
 <400> 10007

tgaaatcgat ttggagatta gatctgactc agcttcgact aaaagccatt gctttcgcct 60
 ttggattgtt gattccctag tggatgttct ttatctcntt aaaaagggtcc tctcttttaa 120
 atcaattttt gctgaacttg cccaattcgg aaactttgtt gcaagtctcc tcttggtctc 180
 tggtaatcgt tttcgcacat atccttatat tgatttgaat ctgtaatcag attcgatctt 240
 tgatgctaatt ttggtattct atagaagaca acatatctga attgggtttc ttcgttgga 300
 taggataagt ggtaggggaa tgagaaaatt gtatangaag ctggtttcat tcaagagacc 360
 catttgctan gngtcaagag acatgttagt tcacattcan gggttagaag ctttcagcga 420
 cagaaaatgg ttgttcc 437

<210> 10008
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A3
 <400> 10008

acgcgtccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
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ctggtcaagg ggaaacacaa ttaatgaaac aattgtctgg aggccaaaag actggtgttg 180
 cactcgcggt aatctttgca atccagegat gtgatcctgc accattctat ctttttgatg 240
 agattgatgc agcacttgat ccacagtacc gaaccgctgt gggaaacttg attcgtcgtc 300
 ttgctgatga ttatggcacg caagttcacc accacaactt tccgtcccga gcttgtgaga 360
 gtcgcggata agatatatgg agtatttcat aagaacagag tgagtattgt gaatgttacc 420
 tcaaaggatn aaggcttg 438

<210> 10009
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A4
 <400> 10009

agcaagctgc gaagctcang agagcaagtc gcgaggcaac agcaagcggg tttgaagcat 60
 ttagggcatg ttaatgctga tgctgttggt gttgatgaag aagagcttca ttgtcatcan 120
 gaaacttcaa gatctttata gctctactaa agctgctaag cgtttgcaaa ggaacattgt 180
 tcgtggactc gaagggttca ttgcgactgg cacaagggtt gttgagatag ggttgaagtt 240
 tgctgaagat ttcaagaaat atggagatga gaatcctgat gctaatactc ctctatcaag 300
 agtcgcacat cactttggga cctcttaciaa gtcgggtggaa ggcganaggg aaactctcct 360
 cggagttctt agtgagcaag tttgtgagcc aattccgtac aatgatatat antgcgc 417

<210> 10010
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A5
 <400> 10010

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 ggtaacttg agaagacata tgaccactgt agagtatatg tcagaatctt ggaacctttg 120
 caggctgtgg aaatcctgaa acggcatttc acgttagttc taccgcaaaa tggttcctat 180

atgcacatcc ctgatagttc tacatggcaa gaatgtctta tcttactgat taacttttgg 240
 ataagattag ctgatgagat gcaagaggta aaatcatcta atccaagttt ggtggagaat 300
 cttaccttga gccctgaatg cattagcagc tgttttactc tactcataaa acttgtaatg 360
 tatgacaagt ctgtcccaa gtcaggcttg gggctgcaat acntgtctac cttagatttg 420
 gctggntggg gaatgggcc 439

<210> 10011
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A7

<400> 10011

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 ttgggattga gttcttaata tctttgtgtt gaattgatgt acaaaaccct tttctaggct 180
 tcaacactat ctaaaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn ccagtttctc tcctaaacnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcctcc 360
 tcagccgatg ggagacccta ctgctgaagt gaccgatgaa aatagggatg atgctcagtc 420
 agagaagagc aaagctatgg aggnaatctc tgaat 455

<210> 10012
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-A9

<400> 10012

acgcgtccgc ccacgcgtcc gcaattttcc gtttccgtta ctatctccga acagcctctt 60
 tatcgtctcc ttatttcttc catcatcacc gggatacat tgtggaatgc ggagtatcgt 120
 gtatcactga ggaggaatth tgatataccg attgatccta gaaaggagga ggaggatcaa 180

tcttcgaaag acaatggttag atttggttca gagaagggaa tgagtgagga tttagggaaat 240
 tgtgttgagg aatttgagag actgagtcct cagggtgtttg gagacttgtc acctgaagcg 300
 ttgagttata ttcagctttt gcagtctgag ctatcttcca tgaaagagga gctaagattc 360
 acaaaagaag aaagctttga ggatagaatg tgagaaagga aacangaatg atttgttgga 420
 ttaatttgcg ttcctta 437

<210> 10013
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-B10

<400> 10013

tttttttctc tctctcttat ctttctctca cactcatggg tcttccaaca gatttcaaag 60
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 tggtcgatgc tctttgtcct tacatcggtc taccaagttt tcttgaccac aacgagacct 180
 ctcgatnoga cccgaccoga ctcgctctct ccacgtcagc aactcttgcc aacgagttaa 240
 tcccgggtgg gtcgtttctc cggattcttt taaccgattc gggaagaatg ctgcacgggt 300
 tgcttaaccg gatttttgta tcccgaacga taaggattag gacaagctgc cgaagntgtg 360
 gnanacngt ttcaacaatc gntggttaan accggttggg attcg 405

<210> 10014
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-B12

<400> 10014

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 agcgagcacg aaccgaaagc cctagctact tccgtcaatg gagcggcgat tcaggtacca 120
 ccaatgccgc cgccgtagct ctttcttctc cggcgcgctc tcaccacgtc cgatcttctt 180
 ccgtcactaa tatgtctaac gtcaaacgag ctcaaaacgt tgctgctaaa gccgtgctc 240

agagacttgc taaagtcag gcttctcaga ccaacannnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccctcct cctctttcct 360
 tcactagaaa tccttcttcc acaattgcta aacctaaacc tggtgcttct tctgctgttg 420

<210> 10015
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-B7
 <400> 10015

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 atgcttacgc tggtgacgca ttcagaaact gcaaacagtg tgctggaggt aaaattggaa 120
 ttgcacacag tcnagcttgg ttcgaaccac aagacctga gcatgttgga gggtccattg 180
 aacgtgtgct tgatttcac ctaggatggc atttggctcc aacaacttat ggagattatc 240
 cacaatcgat gaaggatcgt gtcggtcata tattgccana attcacaaga agctgagaag 300
 aagttgctaa agggttctac agattacgta ggaatgaatt actatacttc agtgtttgca 360
 ncaagaaatt agccctgatc ctaagagtcc gagttggacg actgattctc ttgttgattg 420
 ggatagnaaa gagtggtgga tgggntac 448

<210> 10016
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-075-Q1-E1-B9
 <400> 10016

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 aagcaacatt tagcttctgc aaactccagt tcactctctca accctcatat cgccgtgttt 120
 tctcgctcta gtaccgcgag ctccggacgaa ccaggaagca atccgttaat ctagaagcgg 180
 tgttgagaag atgacgatta catcaaata ctctgtacag aacgataacc tcgttggttca 240
 agggaagact atccttacca aaatccctga caacattatc ctaactccgg ttaccggtaa 300

tggattecgtt tccggttcat ttataggcgc gacgtttgaa caaagcaaga gtcttcatgt 360
gttccccatc ggtgtattgg agggctntcg gttcatgtgc tgtttccggt ttaagctatg 420
g 421

<210> 10017
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-075-Q1-E1-C1

<400> 10017

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcac tttgtctgtc tctgtccgaa 120
actcaggagc cctaattctt gaatccatca agaaagctct ttctcttctt tcttttatgc 180
ttctgaattt gctacatata taaactatct gaagaaagct agagaataag atgatgagtc 240
taagtggaag tagcgggaga acaataggaa ggcctccatt tacaccaaca caatgggaag 300
aactggaaca tcaagcccta atctacaagt acatggtctc tgggtgttctt gtcccacctg 360
agtcacattt ctccattaga agaagcttgg acacttctt ggtctccnag actccttctt 420
caacaatccc tttggatggg ggtgnt 446

<210> 10018
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-H4

<400> 10018

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tttatgtcaa agttgatgac aacgttgact tggatcttga ggggatgatt gcgcttcttg 180
aaagtcgtcg tagtcaagat ggtgcttaca ttgggtgcat gaaatctgga gatgtgatta 240
ctgaagaggg aagtcaatgg tatgagcctg agtgggtggaa atttggggac gacaaatcgt 300

atttccgtca tgcaactggt tcgctggtaa tactctcaaa gaatctggct caatatgtca 360
 atataaacag tggattgttg aaagacatat gccgttttga tgataccaac aatgggtnat 420
 ggatgaatgg gcgtccangc aacatatata ggacgacaat cgcctttgct gcaacancac 480
 aa 482

<210> 10019
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-A6
 <400> 10019

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 aaagatgtcg atgggaggcg acacgacgtg ggttggaag aagccgatca gacgcatcgg 120
 tggattatct gatgctctct ctatcgctc cgatctcggg ttcgccgtcg ctctctctcc 180
 gtcgcaggaa gaattacaaa gctttgcgtc ttcgaatggg gaaagagggtg atgatttgat 240
 aaggggtattg agagagttat ctgttggtca aaggaaaatt gcagacttgc anggtcgagc 300
 ttcaanggag gaaggatgat aaaaatgtgg cgcatttgac tcatgttggt gaaatgcana 360
 agaaaatcga agactttgtc aaggattact caaatattga aagatgttat acaaaacaag 420
 gatcgcatn 429

<210> 10020
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-A9
 <400> 10020

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 ataaccattg gaatctgacc atggatctct tttcttcttg agatattttt catttctttc 180
 tcctgttctc gtctcccaga tctgttcgtc aatcttacca ttggaaagct tcaagcttcc 240

tttttttctc tatctgggga cgggaccgtt gtataaaaga gttagaccaa gacgacggca 300
 caatgtatatt cttcggtttg tccaaagaag aagtgttgtc acaagaaaca tgttggtan 360
 tataaagaga cttctaagca gaacccaagt cantatggtc actcctgttt ggcaagacan 420
 gtgt 424

<210> 10021
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-B11

 <400> 10021

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 agagccgtgg tcagtagctg agaacggaaa cccaagcata acggcgaaag gatcgagcag 180
 agaactaaga cttggaagaa ccgctcacia catgtcttct tcttctttga ggaaaaaatc 240
 agacctccga gtgattcaga aggttccata caaaggtctt aaagattttc tctctaattc 300
 ccaagaagtc attctcgaa caaagcttgc cattcttttt ccggccattc ctgccgccat 360
 tatttgcacc tattgtgggc gtcagtcagc cttggatatt tggacttanc gtgctaggac 420
 tgacaccttt tggntgaacg 440

<210> 10022
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-B5

 <400> 10022

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 gattcttttg caatcttctc tcctacggtt gtttcaatct ccgaccaaac cgtgctttcg 120
 aatagaaccc agaaatggca tcgccacaga gtaccaaacc cggtttgaat cttcccgag 180
 ggatgaacca gacttcgttg cgtttagaaa cgttttcgag ctcatctcgt gggatttcga 240

gtttatctct gccgtctaaa tcgacttgca ggcacagatt cataccgtgc aggatcttct 300
 tcgagactcc acgcttttga tctgcnagga taaggaaccg actaccccg ttaaagaggg 360
 agggaatgaa gcctaattct agacttttga aatccggagc cttttcggnt ncngantttg 420
 cgtccccctcc ttttgtcncc tgcaagtggg tcaanggate tgc 463

<210> 10023
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-C4

<400> 10023

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 cgacaactaa gaggacacat aacactacgt ttccggcgat ctctgccttt ggggattcga 180
 tcttagacac aggaaataac gattatattt tgaccttgat caaagctaatt tttcttccat 240
 atggcatgaa ttttccagat aaagtccca ccggcagatt ttgcaacggc aaaatccctt 300
 cggactttat cgcggtattat ataggagtaa aaccagttgt accggcatat ttgagaccgg 360
 gactgacca ggaagatttg ctcaactgtg tatcctttgc ttcggttggt tctggctatg 420
 atcctttgac accaatcgta ntaaagtgcg ataccgatgt caaaacaatt gacatacttt 480
 caagaatata tagggaaaag tga 503

<210> 10024
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-C7

<400> 10024

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 ctaacaagga caaagacaag gacaagaaga aacccatctc tcgctctgct cgtgctggta 180

ttcagttttcc agttggacga attcacaggc aactgaanac ccnagtctcg gcacatggca 240
 gnagttggtg ccaactgcang cgtctacaca gcttcaatcc tggaggtatc tgacagcaga 300
 ngttcttgan ttggctggga atngccangc aacggntctc aaaagtnaac gaggatnact 360
 ccaaaggnat ctgcagttgg gcg 383

<210> 10025
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-073-Q1-E1-C9

<400> 10025

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 ctctaaactc agcaaaaacc aatgtcgacg gtgagaaaaa tcaactctta gagttcggat 120
 ggcgaaaact tcgaaattga cgaagcgggtg gcgctagagt cacaaccat caaacatatg 180
 attgaagatg actgtaccga taatggtatc cctctcccta atgtcacaag caagatcctt 240
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 gccgatgctg ctgctgtctac tactaccacc accgtcgcgt cgggttctag tgatgaagat 360
 ctcaagactt gggattctga gtttatcaaa gttgatcagg gcactctcct cc 412

<210> 10026
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-073-Q1-E1-D10

<400> 10026

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 ggcttcgctt caggctgaac gacaagccgc anaaaatttg agaaaagctt tctctgaggc 180
 anaagctaga aattccgagc tggcgacaga gcttgaaaat gctacaagaa aagcagatca 240
 gcttcatgaa tcagtacaaa cactanaana gaagctttcg aattcagagt cagagattca 300

agtactccgt cancaggcac ttgctatttc gcccaaccagc agaactatgg ccacacgata 360
 aaatcaatgc ttttaccgag aactccanag aatggaaatn atcttaatgg gaggnacacn 420
 agactacacc gggcatgact cctgctggta cnggaaccaa gagtctg 467

<210> 10027
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-073-Q1-E1-E10
 <400> 10027

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 aacagaagcc gcacttgtaa aggggtcata tgattttctt ggtctcaact attacgtcac 120
 tcaatacgcc caaaataatc acgacgattg ttccttcgga cgtacacact gccttgatgg 180
 actcacgcac aactctcaca tctaaaaatg caactgggtca tgctcctggc ccaccgttca 240
 atgcagccag ttactactac ccaaanggna ttactacgt aatggattac ttcaaagcca 300
 cttacgggtga cctttaana natgtcactg agaatggntt tngtacccca ggtgatgaan 360
 gactttgnga atgctactgc cgattacaac cggattgatt atcnctgtag tcatctccgt 420
 ttcnc 426

<210> 10028
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-074-Q1-E1-A10
 <400> 10028

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 acgtccgagt aaccggggga gaagtcggag cagcgagttc tctagctccc aaaatcggtc 120
 cgctaggtct cgcaccaaag aagatcggag aagatatcgc gaaagaaacc gcaaaggaat 180
 ggaaaggatt acgtgtaacc gtcaagctca cagtcagaa tcgtcaggcg aaagtgcagg 240
 tggttccatc agcagcagca ctcgatcatc aggcgttgaa agagccggag agagatanga 300

agaangtgaa gaacattaag cataacgggg aacatctcgt ttgatgatgt gactganatt 360
gctaagatca ttgagaccta gatctattgc taaggaattg agtggaacng 410

<210> 10029
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-A12

<400> 10029

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aaaaacaaga cagaggaaga gaatcacgaa accatagtcc caaaccttc gaactataa 120
gcatttctca aacacaatca agaaactgtg tttagctttt agatttctac aagcatgtaa 180
gacgagattt tgtttctttt ttttctgcat ggtggatcga acggtgagaa tggggacgga 240
ggtgaagtcg attaggggtc caagaagggt ctggtttga tcacaaatat ctatagttct 300
cctcgtgggt ggaaaccata cctcctccag gttttgtact cgctagattc ttcgattttc 360
tctttgcgat tcttctttgt tcttaagatc tgtttanc 398

<210> 10030
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-074-Q1-E1-A2

<400> 10030

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cggatcatct tctaccggtg tttcaaataa ggaacaaact tttcctcagc gacctgaaca 120
acctgagtgt caatacttta tgagaaccgg agattgtaaa ttcggaacct cttgcagatt 180
ccatcatcct atggaagcag catcgccaga gggcgagtg ccatgcactc actttgcgca 240
acacggtatt tgcaagtttg ggctgcctg caaatttgac cactccttgg gctcttcttc 300
actaagctac aagccatccc cttcttctact cacggacatg cccgtcgac cttanccttc 360
ctcgctcggc acattagctc catcatcctc atctggacca atgcactgag cttatctctt 420

ccaactctaa tgaacctata acaacaacaa ctggggggct cagaaactgg tngctgc 477

<210> 10031
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-074-Q1-E1-A3

<400> 10031

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ccatcatcat cagagagacg aagacgaaga agaagaactt cactgggttat tctctctccg 120
tagccaacca ctatggattc tagagctatt ctcgattccg ctttgtttca actcactcct 180
actcgcacta gattcgatct ggttctattc tgtgggagta agaaggagaa gctagcttca 240
gggatttttg aaccattcgt ctctcatctt aagttcgcta gagatcagat ctctaaaggc 300
ggttactcca tttctctgac tcctccttct tctcactctt cttgggttcac caaatccact 360
tttgatcggt ttgtgagatt tgtaaacacg cctgcgatta tcgaaagatt tgcgactctg 420
gagaaagaga ttttgcaaga ttgagaattc tattcaaagc taatgaaaat tgca 474

<210> 10032
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-073-Q1-E1-A11

<400> 10032

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gttccagaga gattcattag agaagagtat gagagaggag tcgttgtgtc gtctcttaag 180
actcatcatc ttcacatca gattcctgtt attgatctct ctaagctctc taaacccgac 240
aatgatgatt ttttctttga gattcttaag ctctcacaag cttgtgaaga ctggggattt 300
ttccaggtta taaatcatgg gatagaagtg gaggttgttg aaagatatag aggaagtggc 360
ttcagaagtt ctttgatatg ccattggagg agaagaagaa gtatcnaatg ggag 414

<210> 10033
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-F10

<400> 10033

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gtcacctttt cttctcagct acttcaggcg gagaaacact ttccgtgggt tagtggtgag 180
gacgatcact gtttgtaatt cgatggcgag gaagaagatc agagaatatg actccaagag 240
acttctcaag gagcatttga agcgtcttgc taatattgac ctgcagattc gctctgctca 300
ggtgacagaa tctacggatt tcaactgagtt aaccaaccag gagtcattggc tatcgctccac 360
aaagctagtt gtgaaaccgg atatgctatt tgggaaacgc gggaaaagtg gtttggttagc 420
tctaaagctg gatcttgctg aagttgcaga ctttgtcaaa gccccgcctc ggcactgagg 480
tccag 485
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<210> 10034
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-F2

<400> 10034

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ttaggtaaat ttggggatca agcgaacagt atcatttgga aatgacgaaa gtagttgcta 180
agaggaagac gccttctgaa ctgagaggag aacaattgaa acggactgct tttgtggacc 240
aagctaaaga agcttttgat gcantgcgtc cttgcaaaag tgctganaga agaaaatggg 300
ttcaaagaaa tcaagagcct tcnaaagaat nccaaaatac attgagatgc ctatggatga 360
actggtatcc ctgtccaaaa aggtaaggcc ntggatg 397
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<210> 10035
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-G1

<400> 10035

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tttcaactgca caagtttcca ctcatgtcaa aatgtgggtt tatcaagaaa cttgtgtcgg 120
aatcaagcaa agattcagat tccactgtta tcaagatacc agatattcca ggaggctctg 180
aagcatttga gctagcggct aagttctgct acggcattaa ctttgatatg agcacagaga 240
acattgccat gttgcgatgt gcagcggagt atctagagat gacagaggaa cactctgtgg 300
aaaatctcgt tgtaagagcc gaagcttact tgaatgaagt agctctcaag agcttatcga 360
agttcgatna cagtctgca caaatcagag aagttgttgc ccaattgctg aaaagagtca 420
aaccttgtaa gcc 433

<210> 10036
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-G10

<400> 10036

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gaaatggttt gtcagtgaac acaacaacca agcagagggt aagtaaanat ttttccggca 120
gacagacaag cttttcttca gtgattanga catctaaggt taatgtantg aangcttctt 180
tggatgggaa gaagaagcat naaggaagaa gagattttct caaaatcttg ttaggaaatg 240
ctggggtcgg tttggttgca agtgggaaag caaatgctga tgaacaangt gtttcttcgt 300
cgangatgtc ntattctaag tttctagaag tacttgata acganagggt gaataaagtt 360
gatttgatg agaatgggac tatanctact gtggaaact 399

<210> 10037
<211> 417

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-G11

 <400> 10037

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 tggagcetta tcttgggctg cattatcctg ccaccgacat ccctcaagca gcccgttttc 120
 tgtttatgaa gaacaaggctc cggatgatan ttgattgcaa tgcaaaacat gctanggtgc 180
 ttcaagatga anagctttcc tttgacctta ccttgtgtgg ctccaccctt agagcaccgc 240
 acanctgccca tttgcagtac atggccaaca tggattcgat tgcattctctg ttatggcggt 300
 tgtagttaac gaggaagatg gagaagggga tgctcctgat gctactacac aagcctcaaa 360
 agagaaagag actatggggg ttaagtgggt gtcacaatta cnactccgag gtttgtt 417

<210> 10038
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-G4

 <400> 10038

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 gagtcgtgga ggtgcagctg ttgccaaagg aaagaagaag ggagtttcct tcaccattga 120
 ttgttcaaag cctgtcgatg acaagatcat ggagattgct tcccttgaga agtttcttca 180
 ggagaggatc aaggctcgtg gcaaagctgg tgcacttggt gattctgtca caatcacacg 240
 tgagaagagc aagatcactg tcaactgcaga tggccaattc tccaagaggt atttgaagta 300
 cttgacaaag aagtacctga agaagcaca tgtaagggat tgggctcaga gtgattgcag 360
 caacaagga ccgttacctc catgagttga aggtacttca acantgctga gaacgaangg 420
 agaagg 426

<210> 10039
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-072-Q1-E1-G5

<400> 10039

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tcgaatatgc tgagggtttc gacaatctga gattcttctc cttgtgttca tgtccaaagg 120
agattccttt cttcattctc cttaccttct taacaaaccc ttctctctta ttatctaatt 180
cgcttttgta gctctatacg caattagcaa atttggagaa atctcgatta tagcaatttt 240
cttcagtctc catgtacttt tcctctgtat tactctaatt caaatgtata agatgtgcca 300
tgaacctacc aacatctctt catcggagtc tgattttaca ttccttgagg aagaccatct 360
ccccttgacg tcacggcgga gtttattgct atcgagtgaag agagtctccc aacgtatcgc 420
tgcttatggt cctgg 435

<210> 10040

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-072-Q1-E1-G8

<400> 10040

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gagttctatt tcagtgatag taatctaccc attgatgatt tcctcaagaa gactgttaca 180
gagagcgaag atggcttggg gagtttggcg ttgatttgct cctttagtaa gatgagagga 240
tatttgaagt tgggtgattc taaaggagat gatattcctg aagataccat caaagctgtt 300
gctgatactc ttcgaacctc ttctgctctc aagatttctg acgatgggaa aaagggttgg 360
aagagtactg aattgttgaa gctggaagat ttgattgaa 399

<210> 10041

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-G9

<400> 10041

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tacctgacga aatgtgggtc tgtccacaat gcaatgaaag aaggcaggca agcaaaaagc 120

ttgatctgtg gaggttctct gaggtcttag tcatacatct aaagagattc tcatacagca 180

gggccatgaa gcataagttg gaaacatttg ttaactttcc cattcatgac ttagatctaa 240

caaagtatgt agccaacaaa aacctatctc aacctcaact atatgagctc tatgccttga 300

ccaaccatta tgggtggatg ggcagcggac actacactgc acatatcaag cttttggacg 360

acagtaggtg gtataacttc gatgatagcc atatatcaca cataaacgaa gatgatgtga 420

agtcangtgc tgc 433

<210> 10042

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-H10

<400> 10042

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ggaatgaaga gtttctttga tgcggctgaa gagatgacaa gcagcttatt tgatatcatg 180

ggagaccatc acccaagcac caggagagga gggataccca ttgaaaacca tcccaaggta 240

gaggagcacc gcaatgacga aactgcccct acacgaccac actcctctgg cgagattgat 300

ctctcgggct tggccaagga cgtttgagaa aggnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnncaag cttttggcat atataatctt aaaaatgtaa 420

tgtgact 427

<210> 10043

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-H3

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cgaggcattg ttcaagattt gagagatggg tttgggagct tgtcaaggag gagtttcgat 120

tttaggctct cgagtcttca taaagggaaa gctcagggtt cttcgttccg tgagtattcg 180

tcatcccggtg atctcttgtc gcctgtgata gttcagacaa gtagatgggc taatcttcct 240

ccagagttac tctttgatgt gatcaaaaaga ttagaggaaa gtgagagtaa ttggcctgca 300

agaaaacatg ttgtggcttg tgcttcggtt tgtcgggtctt ggagagctat gtgccaaaga 360

anattgtttt gggggcctga aatccggtgg gaaaactcac tttccctgtt tccctcaaaa 420

canccaaagg gcctccttga atcaaatgga tt 452

<210> 10044

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-H4

<400> 10044

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tccggaaggg actactacac tttctggttc ttcactaaat tccaatgtca aagggttattg 120

aatcaatacg tgcatttgaa tttccgtgcc atcaactact ctgcacaagt gtttgtaaatt 180

ggccacaaga cagagcttcc caaagggatg tttcgcagac atacacttga cgtcactgat 240

attctccatc ctgagagcaa tttacttgct cttattgttc atcccccaga tcatcctggg 300

actatacctc cccgaaggga agccaagggtg gtgatcatga gattggnaaa gatgtagctg 360

cacagtatgt gcaaagggtg ggaactggga ttttgtccaa taagggaccg gaataacggg 420

gaatatggga tgaaatt 437

<210> 10045

<211> 422

<212> DNA

<213> Arabidopsis thaliana

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<223> Clone ID: LIB24-072-Q1-E1-H5

<400> 10045

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ggtcaccta gtaatgatga gatgggagtt gatgtaggaa caccggacaa tgtagaatca 120
gggatgactg ggagaagcaa cgaagatgaa agaactctgt ccaagtctct tagttttgga 180
ttgattctga aaaagttgat cgacctgggt aaagtggatg tgaaggatgt ggctgcagag 240
attgggatta atcctgatgc tttgagggct aaacttacgg acggagactt gttacctgat 300
ttactangca aagtacttaa atggcttagc cagcatgcac acatgggttc ttcggataaa 360
ggcaaaaatt taaaactaaa gaccactact aaatctgagc gtcgggcanc tatccgtact 420
ga 422

<210> 10046

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-073-Q1-E1-A1

<400> 10046

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agggattggc ctgtcgaaaa gctaaaggaa gttaaagtan cggatgcgtt gaagcatcca 180
aactggaaca tgggaaagaa aatcactgtg gactctgcta cgcttttcan caagggnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng 420
gtncacaag gattcatccg ttccttgccct caattngggg tgggcct 467

<210> 10047

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-F1

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tctccttatg ctaagaagtt agctaaggag ttgaaggttg aattggctgg tttagttgga 120

agtggaccga tgggaaggat tgtggctaaa gatgttgagg cggttgctgc tggaggagga 180

gttcaagctg ctgttgctgt taaggaggta gtggcagctc ctggtgtgga agttgggatc 240

ggtggttcct tttacgacaa tgcagggggc tgtgagtang aatatggtgg agagtcttgg 300

tgttcctact tttagagtcg gttacacgat taatacggat gtccttgat cccctctaca 360

agaagattaa ntcnaaaggt gtgacaatga cggcactttt aaca 404

<210> 10048

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-C10

<400> 10048

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cgcttctgca actgtgttcc ttctgatacc caaaactttc catttgggat agtggcagaa 180

ttantggaag aagtaagcat gagcagggtc gagcatgtat tgaactatct gaaacgtagg 240

cagctcgaga atcctggttt cttatatgca attgaggacg attgtgggaa tgttttctgg 300

gcggatccaa cttgcagggt gaattacacc tactttggtg ataccctang ctttgacacc 360

acctatagga gggggtaaga ggtancaagg tgccatttgc t 401

<210> 10049

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-072-Q1-E1-C12

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ctgataaacac ttataaatct atcaaggaga tgggttttgc acgcatgact cagatacaag 180
ctaaagcaat tccaccattg atgatgggag aagatgtact tggagctgcc aggaccggtt 240
ctggtaaaac cttagctttt cttattcctg ctgttgagct tctttaccgt gttaagttta 300
ctcctcgcaa tggaactggt gttcttgta tttgcccaac aagagagctt gctattcagt 360
cttatggagt ggcaaaagaa cttcttaagt atcattcaca gactgtggga aaagttattg 420
gcggtgagaa aacgaaagac agaagctgag attcttgca aaggtgttaa tttattaag 479

<210> 10050
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-C3
<400> 10050

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ctctttctcc aagtctaaat tcgtatccgc cggagttcca ctcccaaacg ncgggaatgt 180
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gacggttctg ctcttggtga ctttgggttt gnnncanntg gacntggaca agttccangc 300
caggccttga gatatacaaa agagtcaaga nctcanccan tggtagatgg gctantgcnc 360
actngttcct gggatttttg gaccannna ncattanggt atggaaaact ggggttaagg 420
gcncaggaa tggggnaaac cact 444

<210> 10051
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-C4
<400> 10051

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ctcaggattg cttgaaaact gtagaaatct ttaaggtttt ttacaccaa tannnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnntct attcataaaa aagacaggta atctcaactc 240
cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnt ggttgctttt tatcagcttg gccttgggaa aactttggca atctcaagta 360
tcttctctac gctccattag ctgcacaagt aggtgtactc gtgggtctat gaaagaagat 420
atctcaaaag gttcttttgt ggtantcat 449

<210> 10052
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-C5
<400> 10052

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agagaagaga gaaggaaaaa tggacggtgt atcaccaaag tttgtgttgc cggagacatt 180
cgacggcgtg aggatggaga tcacaggcca actaggcatg atctgggagc ttgtaaaagc 240
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gcttttatgt gagagggttt acatgggaat cgtcatcgtc ctgtcaaac tcttctggga 360
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c 421

<210> 10053
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-C6
<400> 10053

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gggatcatct tttccggtct ctggtcatgg atataggatg ctatcgacgg ttgaaaatgt 180
 atctgaaagt ggtaaatacga tgaatctata ctctgctatt aatcaagctc ttcacatcgc 240
 tttagagacc gatcctcggg cttatgtttt tggggaagat gttggatttg gtggtgtctt 300
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 g 421

<210> 10054
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-C8
 <400> 10054

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 nnnnttcaga tatgcctttg cctcaacaga acagagcctt tagtttgtcg cgtgagattt 300
 tgaatgctac tccaggaag gctgataaca aaagactcgc tcatgcccta aaaaaggact 360
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 cgtgactcan tccacag 437

<210> 10055
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-D2
 <400> 10055

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cgctggttgac tccccgagct tcctccaata ttaagaggaa atcgctgagg tctgattcac 180
catctcctat attaaacca gagaagaatt acccaggtan agttcnagat gaaagttcca 240
atcctcctca anaaatggct ttcaaggctt ttgggtcacc caananggag aaaaaagagt 300
ctctttctga ttttagtcga gaccaacaga ctgatactgc caagattcac gangcatcct 360
ttctcaacgc tggtgtcann gtttaattgc nctcatactg ctncctgaat aacnccctcc 420
caatggggaa gaag 434

<210> 10056
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-D3
<400> 10056

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caccgtactt gctctcgctt tcgccgttta ccaagtcgtc tccggtttct tcgtttctcc 180
tgaagttcac cgacctcggt ctttggagggt tcagcctcaa tcggagcctc ttccaccgcc 240
ggttcagctc ggagaaatca ctgaggagga gcttaagctt tatgatggct ccgattctaa 300
aaagccccct cttatggcga tnaanggccaa aatntangan gtttctcana gcanggatgt 360
tttaaggnac caaggtgggc catatgntcc gtttggcang ggaaagatgc caagcccgag 420
ctcttgggna a 431

<210> 10057
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-D6
<400> 10057

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gcgtccgggt agctcgaggt gataagagtg gagaagatgg catcccgatg ctactgaaga 120

ttccgcggat gttcgatccg tggggaggct acagcattat tggatttggg gatattcttt 180
 tgccccggttt gctaatacgca tttgctctca gatatgactg gctagctaac aagactctta 240
 gaaccggcta ttttatatgg gcaatgggtg cctatggatt aggtctttta attacttacg 300
 tggctttgaa cctaattggat ggacacggcc aaccagcatt gctatacatt gtccctttca 360
 cacttggaaac catgttaacg ctggctcgaa aaagagacga tctttggatt ctaaggacca 420
 aaggagaacc agaaagagct tgcctcaac caagtccggg cttgaacaat gttctgagaa 480

<210> 10058
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-D9
 <400> 10058

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 tcgtgagttt catgccctgc atgggcttcg tcgagggaat atttcaacaa ccttctccag 180
 attgctgcag aggcgtgacc cacttgaaca acgtcgtcaa gtttacgtct ccaggatcga 240
 ggaataggca ggatagtgga gaaacagaga gagtgtgtct gtgcattgag ataatgggaa 300
 atgcaaataca tcttcctttt cttcccgccg ctattaataa ccttcctctc cgttgttctc 360
 ttactctcag ctttcccatc tccgttgata tggactgttc tcanttcang aaacaccaag 420
 aatcc 425

<210> 10059
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-E4
 <400> 10059

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 aagggacaat tcaacacggt cacagccgat ggaaacgaaa agggcttagc gatgaaaatc 120

ggtatcggtcc tccaaaactg tcgcatcggt cccgacaaga aactagcggc agagagatta 180
 atcgtggagt cataacttggg aaggccatgg aagaaattct ctaccaccgt gattatcaac 240
 tccgagatag gagatgtgat tagaccagaa ggttgggaaga tttgggatgg ggaaagtttc 300
 cacaagtcac gtaggtacgt tgagtacaac aaccgtggac caggagctat cactaaccga 360
 agagttaact ggggttaagat cgccaggtct gcagctgagg tcaatgactt cactgttgct 420
 aactgggtta ggtcctanta actggattca agaagccaat gttcccgta cgcntggatt 480
 aaa 483

<210> 10060
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-E5
 <400> 10060

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 ctacttcgaa tattctggga tctttgttaa ccgccgccgt gttgggtctg attcatgcgg 180
 cggttagaag aagtgataat ttgtttcttg atgaagaagc tgcggcgggt actgaagctt 240
 cagggctgat gtcataccct tcgtcgtaaa tccaaaaatt tgtttttttt ttttttgtat 300
 gttactgagt ttggtgcnan ttgagaaaac tgacatgttc ttctaanaa anccnnaggc 360
 atganaagng ggtnnгааат cggtgnaaaa aaanggnccg gccgctccna aagggtattcc 420
 a 421

<210> 10061
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-072-Q1-E1-B8
 <400> 10061

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gatggcacta ttctacgttt tgatccttta cgttcccacc gtgatactcc gtctcccgtc 120
ggcttcttct tacaccgaat tcatgattcg gcgattcatc tgcgcggcca tttgtactgt 180
ancatctctc gtcttcacag cttttatact tccgataaaa agctgggagg cctcttatat 240
acttggagtt tatggcataa ggaaagatca tctgtggcaa ggagtgggtg atcctcttct 300
attgacctcg ctcgtttatg ctgggggtctt tgggtgtgaa gttgtttact ctcttgaat 360
catgggaagg aaaatggcng aaggatgtan ntctttaat taaatcanga aacctttttc 420
caaa 424

<210> 10062
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-072-Q1-E1-E8
<400> 10062

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catggcggag gaaactacga ttctcactct tcttctctcg atagtctcaa accaagcgta 120
ctagtcatca ttctcattct cctcatgact ctctcactct ccgtttccat ttgcttcctc 180
ctccgctgtc tcaatcgctg tagccaccgc tccgttctcc ctctttcatc ttctctttcc 240
gtcgcaaccg taacttccga ttcccgaaga ttctctggac atcgaagtct ctcccgaac 300
agaacgggtc tccggtgctt gattnggctt ccgattttca aattctcctc cgtnacttcg 360
ccgatctagc tccaatgaat tcccggaaaa ttgcgcgctt ttgtttggtc gaaaatttgn 420
aaccgggagg attaagctcc gtcttct 447

<210> 10063
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-F12
<400> 10063

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tgaattttct tctgcaaagc aaaatcgcag aagtcgtcgt gtgtccgcgt tgcacgaac 120
 cacttggtcg attctctttc gtcacccctct cttatatcat cagcaacaac aacccttggt 180
 tcaaattttct tcatttcgcg cggtattata atcgcagatt gattctgac gatagagata 240
 ggggttattca aggagagacc tcgattgact tcaattgtct tcttgattcg atagataaga 300
 tttaggggtta gcttgacgtt gacgttgata taggggaatg gagacggaca atgggaagg 360
 gttgatacta gctgtagcgt caaagtgttt tcaatgggtc caacttcaat ct 412

<210> 10064
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-F5

<400> 10064
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 tcgtanagat ctctgattct aaccagacgc gggcgatgtc gaaagctcgt gtgtacaccg 180
 aagtcaatgt gattcgaccc anggattatt gggattacga gtcactcatt gttcaatggg 240
 gggagcaaga tgattatnag gtagtaagga aggtaaggcg tggaaaatat agtgaagttt 300
 tcgaggggtat naatgtgaan agcaaggana agtgcattat caaaatcctc aaacctgtta 360
 agaaanaaga agataanaag aagnattaan ntacttcana aacctatgcg ggtggg 416

<210> 10065
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-F9

<400> 10065
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 acaatgtgtg cccacactga tatggtcacc gccattgcta caccggtcga taactccgac 120
 gtgattgtaa cttcgtcgcg tgacaaatca atcatcctct ggaaactcac aaaggaagac 180

aagtcatacg gtgttgctca gcggaggatg actgggcact ctcaattcgt tcaagacggt 240
 gttctctcct ccgatggaca attcgctctc tccggatctt gggacgggtga gcttcgtctc 300
 tgggatctcg ctaccggaga atctactcgt cgtttcgttg gtcacacgaa agatgttctc 360
 tctgttgctt tctctaccga taaccgtcag attgggtctn gcttctcggg 410

<210> 10066
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-070-Q1-E1-G10
 <400> 10066

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 ggaaaccacc attaaaccct aagtacgtca cctttcaagc tccttcttct gtaggttttt 120
 tctgtttcttc tgattcatgt ttacaaagtt ttttttatgt ctcttctaac ttcttctcct 180
 tctcgccgcg taatcagtc ttattgttct tcataatcgc agtaccaatc gcaatcggtt 240
 tcttctctctc tcgatctgtt cctcggacga gaaaactggg acaacaaacc tatgccgtcg 300
 acgccgctgg ctaacggtgg tacgcctcct atgggtggcg gagagagaac gacggttaca 360
 acttccacgg tggcgggatg ataagcctgg agtttcgatg atggag 406

<210> 10067
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-G3
 <400> 10067

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 agaaagtcac catcgtctcc gactaggatc ccacctaagc agaagaggaa gtcaacgact 120
 acgcacaaac ccatcaaagt ccgttacata tcaaataccga tgagagtcga gacttgtcct 180
 tctaagttca gagagcttgt tcaagaactc accggtcaag acgccgctga tctaccaccg 240
 tcgcccacca cttttaccgc cgtagatctc caccgtccgt gtgagtcgga gatgaactta 300
 gagccggttg atggagaggt ccgtggagag tattattcac cggttgatga ggaagtgttt 360

aatgtctctc aagatgtcgg caggtctttc tggntttttc tcgtcctgga ttttaciaaat 420
g 421

<210> 10068
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-G4

<400> 10068

aaaccgaaac atcaagcaaa caaaaaaaaaa agagaagaga aattattttt ttttgttttc 60
gttttcaaaa acaaaatctt tgaattttat ggcaaccgtt cttctccgaa caaactttat 120
ccggcgatct taccgtttac ccgcttttag ccggtgggtt cctcccaccg tgactgcttc 180
caccgcgctc gtcccggaga ttctctcctt tggacaacaa gcaccggaac cacctcttca 240
ccacccaaaa ccaccgagc aatctcacga tgggtctgat ctctccgatc aagcccgctt 300
tttctcctct atcccaacct ctgatctcct ccgttccacc gccgtgttgc atgcggcggc 360
gataggtcct atgggtcgacc taaggagcgt ggggtcatgag ctctaaactt atggacg 417

<210> 10069
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-G8

<400> 10069

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atctactgcc ttacattcgt cacttcacat ctctgtctca agtttgcttt gattcccatc 180
ttgtgccggg cacttgaaca agtagccaag ttcttgaggc gtaacttttg tcggtccact 240
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aacatcttgt catcgcatgc tgagatagcc attgggcttc cttctgatta tctctctgct 360
ctcaaggcaa cgttacaatt atacagacgt caatgtactg ggagctattg aa 412

<210> 10070
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-G9

<400> 10070

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aaccacatc gaatctcaac tcagaaccaa caatgctcca acctttctct tcctcctctg 120
ttttctcgag aatcctctgg actttcttgg ttttaagaaga ttcgttggtg aatcagagag 180
aaagaaagca tccatttttc tatcattgct tgcttgctat ggaattgggt aaatcncgat 240
tctacttatg ttgcaattgc ttttctcctg ttaagatttt ccgattattc tttagctggg 300
aagtgattat ccagacgcc a tctccatcac tttcaattgt attccnatac cttcttctga 360
agattcttng tagttctcga ttcgatgttt aaaacttcaa nttctcttcc aaatctt 417
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<210> 10071
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-H11

<400> 10071

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gagaatggtt tcaaccaagc aattgagctg tctgctgaga ttctatctaa tgtgaagtgc 120
atacaagaaa agaaattgat tgggaagtac tttgaggaga ttagtcaaga cactgggaaa 180
tatgttttcg gtgttgaaga tacttttaaag gctctggaaa tgggtgctgt tgagactctt 240
atagtgtggg agaatctaga tattaatagg tatgagttaa agaacaacac gaccggagaa 300
atcgtgatta agcattttgg aaaggatcaa gagaacaacc aaagcaattt ccatgatgca 360
ngagactaat gcagagttag aagttcagga gaagatgcct ccgcttgaat g 411
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<210> 10072
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H3

<400> 10072

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nctcgctccag atgttactcc tcgggattat cgtttccgat tggatttgga tcgaatccca 120
tcaatgtggg attggtttgt taccataaaa gatacagtat tgctgctcgg aagttcgtat 180
gtggcttgct cctcctcctc ttccgatcca cttttgggta aggctgcaaa agggcaagcc 240
atanntcgtc ctccagcttg gatgatgagg caagcangaa ggtatatggc tgtttaccaa 300
aagctcngcc aagaaacatc cgtccttcag agagagatca gagaacactg atctaatagt 360
ggaantctct ttgcagcctt ggcangcatt cagnccanac ggtgtcatca tttttntc 418

<210> 10073
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H4

<400> 10073

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gaggaagaga agaatcagaa aaaatggatc cggcgactaa ttcaccgatt atgccgattg 180
atttaccgat tatgcacgac agtgatcggt acgacttcgt taaagatatt ggctctggta 240
atttcggcgt tgctcgtctc atgaccgata gagtcaccaa ggagcttggt gctgttaaata 300
acatcgagag aggagaaaag attgatgaaa atgttcaaga gggagattat caatcataga 360
tcattgagac atcctaataat tggtangttt aaagangtga ttttgacgcc ttcccaattt 420

<210> 10074
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-H7

<400> 10074

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cgccgagacc accgtctggg cgagtaaggt cgctgcgtga ttattcttcg gaatcagaaa 180
agatggatgg taccggtagt tgggacacgc ttgaatggac caaactcgat tcaacttcag 240
ggtcaggttc tttctcgaat ttgagttgct tgctggaatc ggagagggtc atcgtcgagg 300
gttatggaag ttgtgcttat taacaccgat gaggcaggaa cccttttggg gactaatttc 360
cgtattcctt ttttgagtga aggaaccang aaaaagtcac tccaacnttg gtaca 415

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<210> 10075
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-071-Q1-E1-A1

<400> 10075

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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nnnnnnnnnn nnnnnnnntg gattggataa gagagattat cgaacaagct cnaactgtta 360
caagaaataa ttacaatcac agtgggtgtt tgaatcctga tgaaggaaat tcccnttttg 420
caatgataat tgtgcaacca atcctg 446

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<210> 10076
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-071-Q1-E1-A8

<400> 10076

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tcgntctcaa acaaattttc anttaggggtt tggttgttca cacgcancaa tgactccaac 120
accaacacna agagctccan ggcagacna ttcgattaat ctacaagtcg atcaaagttt 180
ccgatcatta ccacnaactt tctctccgat tccgttataa ttactcgaac aanaagccgn 240
naagaccacc accgttgatg agccaaagaa agatggagga ngaggaggag atcaaaagga 300
agacgagcat ttcagaatct taggtcacca tatgtgtctc aaaaggcaaa ggagattgtc 360
cacttttgtt aacgcaaatt aaagcatccg aagagaantt ccatcgggtga ttcagatctg 420
gaatcgcgac tgctgctgta cgagcttgg 449

<210> 10077
<211> 472
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-071-Q1-E1-B12
<400> 10077

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cgtccgcccc cgcgtccgat tattttcttc tgcangatcc ttcatcacca caaaacctct 120
tccgattgat tcatttantic cnaaaccana gctagagaat gcgggtgcgt gttcttacac 180
ggtgatcatt aagacaagct gttcctctgt gtcttacact anagataaga tcagtanatc 240
gtttggtgat gtctacggca acgaggtgta tgtgaagaga ctanacgatc catcgtcgag 300
gacgttcgaa aagtgttcat cagacacata caagatatcn ggaccgtgta tgcgcgacgt 360
ttgttatctc tacctctca ggcaaggatc cgacggctgg aaaccagaga atggttanga 420
tntactgcnc atcccatcag atnagtcact ttctactaca angcttttct tg 472

<210> 10078
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-E9
<400> 10078

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 aactttctat cgccatcgaa gaaatggaga aagcaaatta cttctctttt gtgatgctca 180
 tcaacatggt accatccgta aatcctcgat tcttagccaa tgtcacattc ttgatgccaa 240
 aggacaaaac cttttctaca tcaaacatta ttaatcaaca agattcgggt accgagttct 300
 tgcttcgcca ctcaatccct tcttctcttc ttttcgagca ccttaatctc atccccaatg 360
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<210> 10079
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-B5

<400> 10079

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 ttgagttctt agggaaact accggcgagc cttacatagt ccagaccaat atctacgtga 180
 acggagttgg aaacagagaa caaagactca acctttgggt cgatcccacc actgagtttc 240
 acacttactc aatcctctgg agtaaacgca gtgttgatt catggtagac gaaacaccga 300
 ttcgagttca gaagaatctt gaagagaaag gtatccatt tgctaaagat caagcaatgg 360
 gtgtttacag ctccatttgg aatgcagatg attgggctac acaaggaggt c 411

<210> 10080
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-B8

<400> 10080

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 gctgaggaga tcatagcact tgagttagtt accatacttc tgggagaccc aactgatgac 120
 agtggtgagg tggctgttgg gtttgtgacg gaatgtggtg caatgcttca agacgtttca 180
 ccaagaggat tgaatgggat ttttgagagg tttcgtggta tactgcacga gggagagata 240

gataagagag ttcagtat ttt gattgaaagt ctctttgcta ctaggaaggc gaaatttcag 300
 ggacatccgg cggttcgtcc tgagctagat cttgttgaag aaaaatattc gcatgatctc 360
 tctcttgatc atgaaattga tcctgaaact gctcttgata ttttcaaacc t 411

<210> 10081
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B9

<400> 10081

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 attttcttct accgatcttg tctggtcaaa ggttgaagggt taccgggaca atatagatag 180
 gttagccctc atcccatata ctaggggtgga tgattttgta agagggtgaat gctcgaataa 240
 agattgtcct acaagtttcc atgttgaagc tagacgacgg aaagccaaag gaaaaaata 300
 taagccaaag gtggatggca tcttgagta tattctgtat tgggtgttcct ttggaccgga 360
 tgacaatang aaaggcggaa ctgtacggc 389

<210> 10082
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C1

<400> 10082

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 atgcttgtgg aaatggagct gactgtancc caactcacc aaaaggctct tgcttcaatc 180
 ctgacaatgt tagggctcat tgcaactatg caagtcaata gcttcttcca aaagaaagggt 240
 caagcttctg agtcttgtaa cttcactgggt actgccactc ttaccaccac cgatcccagc 300
 tatacaggat gtgcattccc ttctaaatgc tagtggttct aagtggaagc ggtancacca 360

ccgtgacncc aggcaaaaac agtccaaaag gaagcaacag natcancaac aattttcccg 420

gggg 424

<210> 10083

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-C2

<400> 10083

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngaaaaaatc ttcagtttct gaatctagaa 120

aatcagataa gggcaagaaa aggtttagaa agaaaagtgg gcagtcagat gaaagtgatg 180

gcgagggtggc cgttagagag gatagtagac acgttagaag aaaggtttct gaagaggatg 240

atggttctga gtcagaagag gaaagagtgc gtgaccaaaa ggagagagaa gaactggagc 300

agcatttaaa agatcgtgat actgcacgga cacgaaagct aacagagcaa acgttgtcaa 360

agaaagagaa agaagaagct gttcgaagag caaatgcttt ggagaaagat gaatttatat 420

<210> 10084

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-C4

<400> 10084

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atcgagagc ctctctaaag gttatcttca tgatctcact caatacatat gtttcgttac 120

tatatgtttt tgcttctgat tgctgttatt ctgtaatcgt ttagagtcgt ttatggtttc 180

ccccattttg tctgtaatgt ccatgctctg tttctttaca gtttcctctc cggcttgta 240

gatatcangt ttagttcctg atttactgag aaaccaanct tttgagctta agtatgttag 300

ggttctgacg ttgattgaga aatattataa actgggnttt caagtttant tctttctgga 360

atttcttttg tagtccggat tatnaggtag actgctagaa tataccgggn tagggta 417

<210> 10085
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C7

<400> 10085

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gaaatcgaaa aaattttcaa aacaaaatct aaggaaaaaa gagcaacaag tttcaaatct 120
catttgggtt tttcattttg aaaagaagga cccattttta tctctctctt tgttttgttt 180
tctcgaatct gaaggagtaa agttaaagc tttgaaggag agaatcaatg gcggtttaca 240
gagcagatga tgaatacgat tacctattca angttgttct gataggtgat tcaggtgtgg 300
gcaaatacaa tttgctttca cgattcacga agaacgagtt tagtctcgag tcaaaatcca 360
cgatcggggt ccnagttcgc gactccggag tttgaaatgt tgatgaaaaa ngtc 414
```

<210> 10086
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-C8

<400> 10086

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cgatgcgttg aagtgcctga aaatctgcaa aagtgcctatg gaagctggag atcgacctcg 120
cgctttgaaa ttcttggtta aagctcgctg tcttgatcca aatctcccga tcgatgatct 180
cgtatctgag cttaacaaca acaaatcaga cgaaccagga tctgcaaat cgcttgatc 240
tgcagcagca aaggattctt ccaattcttc agatcggcct tctttacgtc aacgtggatc 300
gtcaacaacg tcatcgtctt cttcgatgtc ctacactgaa gaacagatct caatcgtgag 360
aaagataaaa tctaaaaagg attattacga natcttaagt ccttgaatcc aa 412
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<210> 10087
 <211> 417

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-D1

 <400> 10087

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 aagacacact ctgtccaaga gaacaaacca gcaaatgctg atgatataatc gaacacaacc 120
 ttaccagaac accacgacgg tggcgacggg ggaatccaag aaacgtgggc cgcgattgga 180
 gattctggcg gcagaggagg aggctatttc gccggagaga gtaggaagaa gctggagaag 240
 aagaagagcc aagtgttgct tgagggatac gcgttgatg atcaagatga tttgacgaga 300
 gccaaagagtt tgacggatga tgatcttgag gagcttaaag gttgtttaaa tctagggttt 360
 ggttttagtt acgatgagat tcctgagctt tgcaacactt tgcttngtt agagcct 417

<210> 10088
 <211> 364
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-070-Q1-E1-D10

 <400> 10088

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 gtgaactcgt cacttgggat gctcgacttc ctttgagaaa tgaagctata gtaataccaa 120
 cccaggtgaa ctatgtggga aaagcgggaa atatatacag cagtggctac aaacttgatg 180
 ggagttcata tgttatatca aagcatatta gtaacacatg gttatgggat cgtgttcgtg 240
 taagtgggtg tgcatatgga ggttcctgtg attttgattc acattcggga gtattttcgt 300
 tcttatctta ccgtgatccc aacctattaa agactctaga catatatgat ggaactgggg 360
 attt 364

<210> 10089
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-D3

<400> 10089

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ttcgattggn tggtttggaa acatctccct aacacacgca gcaaacacct tcgttgttta 120

cggagacagt cactttttgt acatatggat tčnaatcaat cgatgcgggt cctcagtgtc 180

tggattggtc aaattggtga tcttggtcnt aatttgctat ggcgttttat acacattgtt 240

gtgagcttat ggtacattgt ctctggcata tttgaggcaa tagaaagcta tgccataacg 300

ttaggattga ataaanagta cggttccatc gatcttgaga aactccggtg tctagctgtt 360

gtagtggaca ncnaagcaac tcanagatgt tgccaatgtt gttaaccttt gcan 414

<210> 10090

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-D4

<400> 10090

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tatacagttt ctgttaccac caaggatcaa actcgaacct cttgctctac gaatacatgt 120

ctcggggaag ccttggcgag ttacttcacg gcgggaaatc acatagcatg gattggccaa 180

ctcggtttgc tatcgcactc ggtgcagcgg aaggctctgc ttacttacat catgattgta 240

aaccaagaat cattcaccgt gncatcaaat cgaataacat tctcatcgat gagaatttcg 300

aagcccatgt tggagatttc gggttagcaa aagtcatcga catgccacta tcaaaatccg 360

tctcaagccg ttgctggatt ctacggttac atcgctcccg agtatgcata cacaatg 417

<210> 10091

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-D9

<400> 10091

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caatccattt ctggtttctc tgatttagat ccaaagatgg atgggatgaa gctttcgttc 120
ccaccggaaa gtccaccact ttcagtcacg gttgctcttt ctctctcagc ttctccgggtg 180
acgattgatt cttccgccgc tgcaacaacc gtcccttctt ttgtcttctc cgacgggagg 240
aaattgaatg gagccaccgt tcttcttcgc tatgttgggc gatcagcgaa aaagcttcct 300
gatttctatg gcaacaatgc ttttgattct tctcagattg atgagtgggt agattacgca 360
tctgtcttct cttctgggtc aaagtttgag aatgcttggt gtcgtgt 407

<210> 10092
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-070-Q1-E1-E1
<400> 10092

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gtggaaactc acggaggaca gttcataagt tacgatattc tcggtagttt attcgagatc 120
acatctaagt atcgtctctc gattatacca attggctcgtg gagcttatgg aatcgtttgc 180
tctgtgttgg atacggagac gaacgagcta gtagcgatga agaagatagc taatgctttt 240
gataatcata tggatgctaa gcgtacgctt cgtgagatca agcttcttcg tcattcttgat 300
catgaaaaca ttatagctat aagagatggt gttccaccac cactaagaag acagttcagt 360
gatgtttata tctctactga attaaatgga tactgatctt caatcaaatc atcaga 416

<210> 10093
<211> 412
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-E12
<400> 10093

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acttttggcg gcgattcctt gttctctatt ttttttgcac aagcaacatt tagcttctgc 120
aaactccagt tcatctctca nccctcatat cgccgtgttt tctcgtctta gtaccgcgag 180
ctcggacgaa ccaggaagca atccgttaat ctagaagcgg tgttgagaag atgacgatta 240

catcaaatat ctctgtacag aacgataacc tcgttggtca aggggaagact atccttacca 300
 aaatccctga caacattatc ctaactccgg ttaccggtaa tggattcggt tccgggtcat 360
 ttatangcgc gacgtttgaa caaagcanga gtcttcatgt gttccccatc gg 412

<210> 10094
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-B3
 <400> 10094

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 atgtgtaatg atgataatgg tgttggttgt ctcttggtg gaanctgttt ctggagctaa 120
 gttccatgan ctttatcggg caanctgggc tatggatcat tgtgtcaacg aaggcgaagt 180
 cacaaaactc aancttgaca attactctgg agctggggtt gaatcaagaa gcaaatactt 240
 gtttggtaaa gtctctatcc angattaagc ttgttgangg tgattcagca ggaacagtca 300
 ctgctttcta cangtcttca natggnccga accacaacna attcgatttt gagttcttan 360
 ggaacactac cggcgagcct tacatantcc angaccaa atcctacgtn aaa 413

<210> 10095
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-E3
 <400> 10095

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 aaatctttgg cttccaccaa agattataag cagagatcat tcacttacnc gtatcaatag 120
 atcaaatctt catcacaata gaagaaatgg ttttagagac ggtttcaaag acggaaccac 180
 caccgttgct tggacctcgt atctccttct catctgattt atctgacggt ggagatttca 240
 tctgcatcac ccccgtaatg tgtaaggaag atgtcgtcaa agggtcagtg aaagtctccg 300
 actttgagtt cttgctgctg gaaaatgtga gtccacaaga gaatgcttac cgccgatgaa 360

ctcttctccg aaggtaaatt gtccttttt ggnaagttaa agcactcagg agnaacctaa 420
aaacaatta 429

<210> 10096
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-F11
<400> 10096

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atcttagatc aactatcatt ggtgacactc tagctcgcat gctcgagtac tcaaagggtg 120
aagttcttcg cagaaacat gttggtgact ggggaacaca gtttgggatg ctaattgagt 180
ttctctttga gaaatttctt gatacagaga gtgtgaccga gacagctatt ggagatcttc 240
aggtgtttta cagagaatca aaattgaaat ttgatttgaa tcttgagttt aaggaaaaag 300
cacaacaggc tgtggtccgt cttcanggtg gagatcctgt ttaccgccag gcatgggcta 360
agatttgcca aatcagccga aacgagtttg ccaaggttta caaacgcctt cga 413

<210> 10097
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-069-Q1-E1-F4
<400> 10097

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taacactgct tattcacttg agaagataac caaattcacc attcaggagt ggatgcagtc 120
agcccctgat gtaaacctgc ttctaccaac acctaatgtc ttcattccta cggatttttc 180
attaaaggat ttaaaggata aggatatctt tctgttttg ctgagaaaga catcactc 240
aagattgtgg tataagcctg acacaaagtt cttcaaacca aaggcatacg ttaagatgga 300
ttttaactgc ccccttgag tcagctctcc cgacgctgcg gttctttcag atatttttgt 360
ttggttgcta gtggactatt tgaatgaata tgcttattat gctcaggctg ctggtcttga 420

ctatggatta agtcttttcgg gacaatggct ttgagctctc tcttgccctgg gctttaatca 480
 caaatttgag gatctt 496

<210> 10098
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-G2

<400> 10098

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 cagtgatttt cttcttcttt tgctctgttt tgagttcttc tgctttaaac tctgatgggt 180
 tggttttgat gaagtttaaa tcctctgttc ttgttgatcc tctgtcttta ttacagacat 240
 ggaattacaa acacgaaagt ccatgttctt ggagaggaat ctcttgtaat aacgattcta 300
 aagtcttaac tttgtctctt cccaattctc aagcttcttg gttcgattcc ttctgatttg 360
 ggttctctct taacacttca aagtctccga tctttccaat aattccttca atggggccat 420
 taacggtttc tttcctcaaa cgctaganaa g 451

<210> 10099
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-G3

<400> 10099

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 cgacgacgca ctaccancaa acatgggagc gaattcgcgt ccaacggatg caaccctcga 180
 tctagatgag cagatctcgc agctcatgcn gtgcaagcct ctctccgagc aacaggtcag 240
 agcattatgt gagaaagcta aggagatctt aatggatgaa agcaacgttc agcctgttaa 300
 aagccctgtg acaatctgag gtgatattca tggacagttc catgatcttg canagctttt 360

ccgtantggg ggaaagtgtc ctgataccaa nctanctgtt taaggagac taagtcganc 420
 ggtggatata atccgtggg 439

<210> 10100
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-H11
 <400> 10100

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 ataacttcac aagtagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gagacacaaa acagaggaga taacagagtg 240
 gagattttca agaattggta atgagaagaa tcttaaagtt ccaaagtttt tcagagtcaa 300
 caaccttctg aggccangag tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 ncttttgtat aacttgctcg gtgagaatcc aaatctgaat aaana 405

<210> 10101
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-069-Q1-E1-H3
 <400> 10101

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 gctacgggaa ctgtgtgac tgttgatgga gttttgaagg ttccaccgaa aggtaaaggt 180
 acgcagcagc agattgagct taacgttgtg aaggtgattg atgttgaac ggtggatgcg 240
 tctaagtatc cacttcctaa gactaagttg actcttgaga ctttgagaga tgtgcttcat 300
 cttcgttcta gaactaactc gatctcagct gttgcaagaa ttcgtaatgc tcttgctttt 360
 gcgactcaca atttccttca agaacataat t 391

<210> 10102
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-069-Q1-E1-H6

<400> 10102

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn ttaaaccggc gggttcgtatt tccgacggga atctaatacat caaaaaccgg 240
acgattctaa ccggtgtacc agataatgtc atcacgacgt cagcatcgga agctggaccg 300
gtagaaggag tcttcgctcg agctgtatct aacaaggaag agagtaaaca catcgatacc 360
attggtacgc ttcgcaattc ccggtttang tcntgtttcc ggtttaagct ctggtggaat 420
ggccaagaga at 432
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<210> 10103
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-070-Q1-E1-A3

<400> 10103

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caccaaacca aggttgccca gaattaattc tgctgagtc atggagttat gggctagcca 120
acagaaggga aataagctct atcttgtttt gattaagtct tcatggtctc atacgtggtg 180
aaaacatgga gctcgccgc gactctgaca ccggtggaca ggttaaatat gttgtggaac 240
ttgcacgtgc actgggttca atgccaggag tttatagggt tgacttgctt actagacaag 300
tgtcttcacc angatgttga ctatagttat ggtgaaccta cgnaatgct gactcctaaa 360
nattctgang atttctcgga tgagatgggg gagaagtagc ggtgcttata ttggtgagga 420
taccattttg gtccaaaagg acaagtatan tccaaaaaga acttctatgg gcctc 475
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<210> 10104
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-A5

<400> 10104

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gggttctgat aaggnaatgt ctgcagctgt tattgagggg aatgacgctg ttactgggtca 180
tatcatttcc actactattg gaggcacaaa cggcgaacca aagcagacca ttagttacat 240
ggctgagcgg gttgttgga caggttcatt cgggattgtt tttcangcga aatgcttgga 300
aactggagaa tcagtagcca ttaaaaagggt cttgcaagat cgacgctata aaaaccgtga 360
gttgcaacta atgcgaccaa atggatcatc cnaatgtcat 400

<210> 10105
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-070-Q1-E1-A6

<400> 10105

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gttttctttt ttcttctct taacactttt tttgtgggta tttccctaaa aagaaaactt 120
tatttttggt cttagtaaat ctgcttttaa attttataaa aatgggaaac tgtttgatgg 180
gaggaaacaa cgttgagaaa atgggttaaag aagaagaagt aatgaagaaa gaatacaaga 240
ngaaaagatc gtaaagtaaa gatagttttg agaacagatg agttagagaa actcattctt 300
tttcagctaa atgccaatgg taacgtcgac ggcaagggan aaacaacttt gggcttcntt 360
tggtgacntt ccaagggaat tagaaggcgg ngagatntgc cggaagaac gggctg 416

<210> 10106
<211> 413
<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-A7

<400> 10106

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tacaagtaat tggattttga aaatcagtct cactggattc gccgtccgtt cgccgtttta 120

aaatgtctag ccgccatgac aaagagaaag gcgatcaatgt tcaagtcctc ctccgatgca 180

ggccatttag cgatgatgaa ttgagaagca atgcgcctca ggttctcact tgtaatgatt 240

tgcaaagaga agttgctggt tcccaaaaca tcgctgggaa gcatattgat agggttttca 300

cttttgataa ggtgttttga ccatcagcac aacagaagga tttgtatgat caagccgttg 360

ttccaattgt gaatgaacta cttgaangtt ttaantgtac taaattttgc gta 413

<210> 10107

<211> 407

<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-B12

<400> 10107

gttttccata tactaatggg gaggtttcat aaatttctc tcctaggttt agttctgttc 60

ctcgggtctga ccggctcact tatcgccgcc aatgagtatg cctgttctag taccgatata 120

cactttactc gtgccaattt ccctaaaggt ttcatttttg gtaccgcaac tgctgctttt 180

caggttgaag gagctgtaaa tgaaggatgt agaggtccaa gcatgtggga cgtatacacc 240

aagaaattcc cacataaatg taattatcac aatgccgacg ttgctgtcga tttctaccat 300

cgttacaagg aagatatcaa gttgatgaaa aatctgaaca ctgatggctt tagattttcc 360

attgcatggc ccagaatatt cccccaaggt aagatgggag aaaggna 407

<210> 10108

<211> 418

<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-B2

<400> 10108

tgaaaaaata caaaatggcg aaaatctacc ggaagttgac aggctacggt ggtgaaggag 60
ggcgtgaatg ggacgatgat gtatatgagg gtgtaagaaa agtgtatgta ggacaagata 120
tcaatcgtat cacttacgtc aaattcgagt atgtgaagga agacggccaa gtcgtaacaa 180
ctgaatatgg gaaaatcatt caacaacca aagagtttgt acttcaatat ccggacgaac 240
atatcatagc ggtggaagga aactatcgcg gagtggctct atgtgccaca gaggtgatca 300
caaacctcgt cttcaagacc tcaaagggtg gaaagtcacc actgtttggt ccaaacttgc 360
ttggaattac gaccggtaca aagttcgta ttgangatgg aggaaagaaa gatcttag 418

<210> 10109

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-069-Q1-E1-E12

<400> 10109

ttccgtagcc tccgaaattc caanggtcga cccacccgtc cgggcgaaat cgaagaatca 60
cacggcgcac aatcagtcctg ccaaggcgca taagaacgga atcaagaagc caaggagaca 120
ccgtcacaca ccaaccagag gaatggatcc taaattccta agaaaccaga ggtatgcaag 180
gaagcacaac gtcaagagtg gcgagaatgc tgggtgtnaa gagtagatct tttgatcgtc 240
tgattgacag tttaagtttt ttttatgaat ttcacttggt tagacaaagg aaccaatggt 300
ctacaatcag ggattatgtc tatccagatt ctcttanata ttttgcattg tacttgattt 360
gatgcaattc tttcacttgt tcgtttatgt tcatgtanac ctataatcct gaaagctgaa 420
cctgatttnc at 432

<210> 10110

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-E4

<400> 10110

tacagaaaga aagatggtaa taacatcctc ctctttcgtc ctgaggagaa tgcaaagcgt 60
atgagaaatg gtgctgagag gatgtgtatg cctgctccaa ccgttgagca gtttgtagaa 120
gctgtgacag aaactgtact agcaaacaaa cgttgggttc caccaccagg taaaggttcc 180
ttatatgtta gaccattgct aatgggaaca ggagctgttc ttggtcttgc gcctgcacca 240
gaatatactt tcattatcta tgtttcgctt gttgggaact acttcaagga aggtgtggca 300
cctatcaatt tgattgtgga gaatgaattt caccgtgcaa ctctgtgtgg taccggaggt 360
gttaaaacca tangcaatta tgctgcanta ctgaaaggac 400

<210> 10111
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-E6
<400> 10111

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ggatcactcc catagccgga gcttacatcg ctgactcata catcggtcgc ttctggactt 120
ttactgcctc ctctctcacc tacgtcctgg ggatgattct cttgacaatg gcggtaacag 180
taaaatccct aagaccgaca tgcgaaaacg gggtatgcaa caaggcctcc tcgttacaag 240
taacattttt ctacatatcc ctctatacca tagctattgg agccggtgga acaaaaccta 300
acatttccac atttggagcg gaccaattcg acagttatag cattgaagaa aaaaagcaaa 360
aggtttcatt cttcaattgg tggatgttta gctctttctt angcgcgttg ttt 413

<210> 10112
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-066-Q1-E1-E8
<400> 10112

gaacgccggc ggcgatggcg acggtggcgc cgatggcgcg tcagttaatg tcggagatga 60
acctgattcg tttggtggtc gaataggatc tccgaggagg atattcttgt tctgcttggc 120

gtttcgtgtg gtaaatacat tgttgattca gacttatttc aatcctgacg aacattggca 180
atcacttgaa gtagctcacc gcaccatatt tgggtatggt tatatgacat gggagtggaa 240
aagaggaata cgaagctatt tgcattcaat gttgttcgca ttcttgtata aacttctaca 300
agttactggc cttgatactc cctacataat gatcaaagcc ccacgtctta tgcaatccat 360
attttcagct attggtgata tctatttgta taaactccct gatg 404

<210> 10113
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-E9

<400> 10113

aacctgattt cacagctcca tctggagaat cactgaggca agtagagttt cgaatggttc 60
agtttctaaa cgggacagtc tcaggagttg cagagaagct taggtcagat tattcttcca 120
ctacgaatca caatgaaact catgagcgtg atgggtggtg gtcacttgct tcgactaact 180
gggacttact acacaagcat cgtcccagtc ttacaaggaa gaaatctggt aaaagcaggc 240
ttcaagtgat gactaatcac gaacctgacg atggaaactc cccaaggga gaagttaatc 300
ataatcacac tgacctaatg gattcgtctt ccttaatctc gaattgtgtc ggggttttca 360
cgcatctttt gcctataaag tgtcttttaa cccggaatcc tcggttgca 409

<210> 10114
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-F11

<400> 10114

acgcgtccgc ccacgcgtcc ggtttttccg gttgtccatc ggcgttgng cttgctgctt 60
tatggggact tgatttggag caaggaggga aagatgaaga gaatcaagtt ccgatgatgg 120
cgatgatgat ggataatttc gggatgcagt tggattcttg ggttttggga tctaatgaat 180
tgattgttcc caacgatacg acgtttaaga agcgtggatc ttgtgcatc taanttggtg 240
gangtataag cangtattgt gtaacgcagc ttgaggagtt gcttaagagt ggtgttgctg 300

gtnggtgatg ggcgannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnccangatg agggg 395

<210> 10115
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-F6

<400> 10115

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tttgtttgtg gatgcaggac tctttgaatg ttaagtttaa tagaagcagc aatgttgaga 120
atccgtgggt tttctttgga gtatcttatt ctggagcttt aagtgtttgg ttccggctta 180
agttccctca ttgacctgt ggaagcctcg ctagtccagc agttgttcgt gctgtctacg 240
aattccccga atttgatcaa cagatagctg agtcggctgg accggaatgt gaaactgcgc 300
tacaagagac taataaactc ttggaactag ggcttaaagt gaataacagg gctgttaaag 360
ctctcttcaa tgccacggag gtctagcttt actgtttctg ttttcttttg tttgaatctt 420
aaggaagtaa gaagtctatc tccaatctga ttaagtttct gaaatccgta gcttggatgt 480
tg 482

<210> 10116
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-F8

<400> 10116

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gggattcggc ttagagagta tcaaataaat ctccggcgga tggggcgcgg cggcgcgttc 120
ctgtgacgct tggaaatcag ttaccgccgc cgtgttctgt cgagttgact cagctttctt 180
atgcatagca tgtnacacaa gaatccattc nttcactcgc cagcagcgcg tgtgggtttg 240
tgaagtttgt gaacaagctc ccgccgccgt cacttgcaan gccgacnccg ccgctctttg 300

cgtcagttgt gatgccgana ttcactctgc taatcctctc gctagccgtc acgaacgtgt 360
 cnccgtcgaa actttcttcg actcagccga aaccggcgtc gccana 407

<210> 10117
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-F9

<400> 10117

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 acaagtcagt acacaaagga agttcctttt ttgggttttg ggtctgctt tgtgtcagtg 120
 attttaggat tgcttcattt gccacacatt tccaatctct taagtagttg gcggcgaaga 180
 tgggtttcct gatagggggc tcttgcttcg tccnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnngagtaa tgtcgccaag ttcaagcgcc gacgaccaac attggcttct ttaaaccaag 360
 gaaagatggg tacgaagtat gacgttgcnt ccgcaaaaaa gg 402

<210> 10118
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-G12

<400> 10118

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 gatagtctg atgttagtag tagcatcaag tgtgatctat gaagcgcaag gaacgttctt 120
 actaaaccat tacttgaaga agaattttcc aaaaaaatg caacgagttt acgccttacg 180
 ctaacaaggg tatgataacg ttggtgaccg atctcgaagg tagcagtcg gccactacag 240
 agttcaagac tttctttaca cagttcaagt cttacatgtc tttcatcgag acaacatcgg 300
 cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacgggtctt ttcaaggcca 360
 tgtctgcatt gagggtctaat aaaggcgctca aatcagccgn tgccgggg 408

<210> 10119
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-G3

<400> 10119

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tgttacgcct gccggtaccg ntccaaaatt cccnggtcna cccacgcgtc cgaaattcta 60
caccaaaagc ttaaccagat ttttccaag aaaaaacca tccatgaaac catcatcagc 120
ttcaagatit tctttaactt tctcacactt tctcacactc tactgtcttc tcacacaaac 180
acatgtagct caaggatctc atcaatggca atcaccaatc aaaaccgtcg tcgttttagt 240
gttgagaaat cgatctttcg atcatctctt aggatggatg aagaactcag taaacccgac 300
aataaacggt gtaacgggtc attcgtttga agctgttgag caacaagtat tcgggtctgy 360
gccgggtcan atcccgctca tgatgggttt cgttgagcaa gcgctttcca tgccgggaaa 420
tttgtcngng actgtaatga aaggtttaag cctgnaactg ttc 463
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<210> 10120
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H1

<400> 10120

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gagcattgta gtttgcaant tcttcttccg tgaagaagaa gaagatggct ttggagaaag 120
aggaagaagc gtcacaaaac ggtgcgtttt gtgtccttga tgggctctat tgcgaggaag 180
aaaccgggtt tgtggaggac gatcttgatg acgatggnga tttagatttt ctcgagaaat 240
ctgatgagag tggtgtaaan tttcagtttt tacctctttt ggatangttc ttatgggatg 300
acgatgacat tctgagtttg atttcaaagg aaaaggacac ganatccatg ttttggggaa 360
caaatnttag atggcttttt tgggttcctg tnggaaaaga gnggcttaan agttgggggt 420
cctaangggg t 431
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<210> 10121
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H11

<400> 10121

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 ccaagaagga gcgtcttgta aagaaggccc aagctgaagc tgagggaaag cttcttgagt 120
 ctaagaagcc cattgtagtc aaatacggn ctaaccatgt gacctacctc attgagcaga 180
 acaaggccca acttggtgtt attgctcatg atgtcgaccc aattgagttg gttgtctggt 240
 tgcctgctct gtgcaggaag atggaagtcc cgtactgcat tgtcaagggc aaatctcgtc 300
 ttggaacggt tggtcaccag aagactgctt cttgcttggt tttgaccact gtcaaagaac 360
 gatgacaagc tagaagttca acanaatcct gggaagctat caanggcaac t 411

<210> 10122
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H4

<400> 10122

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 tcgttgacgt gtacgtccga gtaaccgggg gagaagtcgg agcagcgagt tctctagctc 120
 ccaaaatcgg tccgctaggt ctgcaccaa agaagatcgg agaagatata gcgaaagaaa 180
 ccgcaaagga atgnaagga ttacgtgtaa ccgtcaagct cacagtgcag aatcgtcagg 240
 cgaaagtgc ggtggttcca tcagcagcag cactcgatcat caaggcggtg aaagagccgg 300
 agagagatag gaagaangtg aagaacatta agcataacgg gaacatctcg tttgatgatg 360
 tgactgagat tgcnaggatn attgagacct agatctaata ctaaggaatt gagtggnac 419

<210> 10123
 <211> 447

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H6

 <400> 10123

 cgggtccaaan actcccgggt cgacccaagc gtccggtaaa actctctctc cgtcttcaat 60
 ggtttacacg atttcaggcg tacgttttcc tcatcttcca tcgattaaga agaagaattc 120
 gtctcttcac agtttcaatg aagatctcag gagaagcaac gctgtctcat tctctctgag 180
 gaaggactct cgttcttctg ggaagggttt tgctcggaag ccatcgtatg attctgattc 240
 gtcttcetta gctaccactg catctgagaa gctccgtggc catcaagant gatagctctt 300
 catctgectc tgatcaagta caatctcggg atactgtctc tgacgatact cagggtgctcg 360
 gnaangtaga cgttcagaaa actgaagaag cccagggaaa cagagacact agatnaaact 420
 tctgcactct caacatctgg gaagcan 447

<210> 10124
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-H9

 <400> 10124

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 agaggacttc gttcacatcg atgaccctag gcctaccggc gatatctctt taagcgacag 120
 catagttaat gtggagaagg atgaactgct cgacgaagcg gcggaggaag aatttagagg 180
 ctccgattct gtgttttagcg gcggcgatgg cgggtggagcg gatgatgatg gcggcgagtg 240
 ttcacgagg gctactaaag tggagctacc ggaggaattg gcgaaaagtg ttgtgattct 300
 gacgtgcgag tcaacagcgg atggtggatc ttgcgatgtg tacttggttg gtactgctca 360
 tgtatcaaag caatcctgtc ttgaaattga agcaaataat cancat 406

<210> 10125
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-E2

<400> 10125

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gagctgcac c aatggcgacc aataatgatt ttggagcttt cattgagaaa gttacaatct 120
ctccaacttc tacttctctg tcgcctcctt ctctacaggg tcttactttc gccattaaag 180
acatttttga tgtggaagga cacgttaccg gttttggtta nccggattgg ttaaagacac 240
actcggcagc tacttctaca gctccagtag tttcatctct cttagaagct ggtgccacag 300
ctttgggtat taccattatg gntgaaatgg cttacantat aaacgggnaa aatgcgcatt 360
atgggactcc gtngaaaccc gattgntttc gatagantgc cngngggatc anccgagtgg 420
ctcanncgnn nccggttaact gcncggcctg gtnggagttt tccacntggg aaa 473

<210> 10126

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-B11

<400> 10126

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gttccttttc gatgtcctca agcaagaaaa gattttgctt tcgtcgagcc gagtaagaag 180
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caatttgtgc ggtggtttcg tgaagcttgg ccttatttgt gggctcatcg tagctgtacc 360
ttcgtcggtta ctatctccgg cgaagtctta gacgggcctt aatgtgat 408

<210> 10127

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-B5

<400> 10127

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cctctcctct ctctcccaga ttcgtgtttg aggataatct cttcggcgat atctccctct 180
acacgcttaa ttgcgtgttc gttcaagaca gacaagcttc cgctcgggtgc cggcgtcaat 240
ctctccgggtg gccccgttgc caagcgtctt ctacagaaga gattgggtgat aaggctctgct 300
actattgaag aaatagaagc agagaagtct gctattgaga ctgatgtnaa atcaaagatg 360
gagaagacta ttgaaacgct tcggacgaat ttcaactcca taagggtgg ganattc 417

<210> 10128

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-B7

<400> 10128

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gcacttttca tctccttcat gattaacttg tttgtgacta ctgtctttgc aaaggggttt 120
tatggaactg agaaagctaa taacattggc ctagttaatg ctggtcagta tcttcaagaa 180
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ggacaaagca gtacgataac tggtagatat gctggacagt ttataatggg cgggttttctg 300
aatctccggc ttaagaaatg gatgagggca gtaataacaa naagctgtgc tattgtgcct 360
acaatgattg tggcaatccg tgttcaatac ttctgaanct tccttgatg ttttggaa 418

<210> 10129

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-C10

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tcaaaactgg tgaaattgtg gctctcaaaa agatacgtat ggacaatgaa agagaagggt 120
 ttctataaac agctattaga gagataaaga ttctgaagaa gtttcatcat gaaaatgtca 180
 ttcagctgaa agagattgtg acttcaccag gtcgggacag ggatgaccaa ggaaagccag 240
 ataataacaa atacaagggt ggcattctaca tgggttttga gtacatggat catgatttga 300
 ctggactagc agatcgtcct ggactgagat ttactgttcc tcaaattaag tgttacatga 360
 agcaattgct taccgggctt cactattgtc atgtgaatca agtgcttca 409

<210> 10130
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-C12

<400> 10130
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 gtgaagatca aacttgggat ggatgttatt ttattttgca aggagaggct caggtttccg 120
 gaccagacga agaagataac cgttccgaat tcctcttgaa acagtatgat tacttcggcg 180
 ttggtttatc tgggaacggt cattcagcaa gacattgttg ctatgtccca gcttacgtgt 240
 ttggtgttgc cgcgtgatca ctgtcatttg cttgagacna attccatctg gcaatcggat 300
 acgtcacttg acaaatgctc tttagtggaa cgcattttgc aactcgaccc tttagaattg 360
 aanatcttca aggggatcac actacctgat gcnctat 398

<210> 10131
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-C4

<400> 10131
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 gcaagccact aaatcagatc cgacaatgcc gaagcaaadc catgatgatc aaggacttcc 120
 ttttgacggc ganaaggaat gatgcaaggt ctgtgaagat caagagaagc aaggacattg 180

tgaagttcaa ggtcaggtgc tcaaggtacc tctacacact atgtgtcttc gaccaatgag 240
aaggccgata agttgaaaca gtctcttcct ccagggttga gtgtgcaaga cctttgaaga 300
tcttatgaaa tcangatcta tcatgggttt atanaccctt gtcttagatg attttgtttt 360
ttccctttct gctgtctttt gaactgacta tgattcagac ttccgttgaa tttctttcct 420
agagcttcaa gactaaaatt atgaattgng atttgtnact tttttttgc 469

<210> 10132
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-C9

<400> 10132

accgntccaa aaattcccgg gtcnaccac gcgtccgnng gacgcgtggg tggatattta 60
aaagaacggg ccgtcacctt ttcttgaagg atgaagaaga gggaaaacca ccattgcttc 120
gacgcattgg ggaagatacc gatgattgtc atttcatatc tgcactgcga gccttcaaaa 180
ggcgggtggc ttattcaaat gtgggccatg atcacgttgt tggctggaag acggcatcca 240
ttagacgtga cagtgaattg cctaagtggg aagattctct gaatgagaag tatcctcata 300
ttgtttacga agaactctgc aaggcatgtg atatggagga cataccagaa ggcgagaatc 360
attcagacga catagaagaa gaaatgatca aaggcctctc ctctgtctca tgggaaaaag 420
ttgatgttag ctttcacaat tancaagc 448

<210> 10133
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-D1

<400> 10133

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tcttgaggct gaaacgaaaa tccgtctttg tagaaagaga acaagagccg tccaagaaac 120
cacggctggg gaaaagttcg aaaagggaaa atgtatttgc tgtgctatgt tcgacactga 180

gccatgcagt gcttacgggt aagaaaagtc caggccccgc tggatcagca gcccgggtcaa 240
tagtagcgaa aggagctgag gattcaaaaa gtagtgaaga gaataatagc agcaagttca 300
gatgatgaga atcataagga tgatggagta tcgagttctg aacatgaaac atcagacaat 360
ggnaagctaa atggggaaga atctctggta gtagctccaa aatcatcacc tgaaatggct 420
gtaaatggat tctgagattt taacactctg ggctccttaa tttgtggctg gggnatggaa 480
aaggc 485

<210> 10134
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-D10

<400> 10134
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ttcaagttgt gctagagaaa tcgaatgccg aactactctc tgccagatca gccaatgttc 120
atlttgaaca tgaaatagct aatgtgaagg ttcagaagga gaaagagctt ttagaagcaa 180
tgctgatgat ctccatcatg caaaatgaaa aatctgaatt atctaaggca gtggaggggtt 240
tagaatgtag atacaaggaa gctaaagcga tagaagagga tagggataag caggtcttga 300
gactccgtgg agattacgat gagcagggtta agaagaatag tcattcgaac gaagctaadc 360
tgaaattgga agctgacttg atgaactact caagggactc naagaaat 408

<210> 10135
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-066-Q1-E1-D12
<400> 10135

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aggaagtgat gttttctctt atgtctggac tatggagtta catgttttagc aagactgagt 120
ttaatgtgct tattcttggc atcgacaaag ctgggaagac gacatttttg gagaaactga 180
agacgatata ctcaatctcg gaaggtcttc ctcatgatcg aattgttcct actgtggggc 240

ttaatatattgg tcgcattgaa gtctccaatg ctaaaattgt gttctgggat ctgggaggtc 300
 agcctgggtt gcggtctatt tgggaagaaa tactatgaag aagcacacgc gttgatatat 360
 ttgattgatg caacttgccc aaccccgctt tgaagaatct aaatctgct 409

<210> 10136
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-D6
 <400> 10136

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 ttcgtcttct tctctcttta ggttcttcaa gtctcgcaatc ctggtttggg tttaggacaa 120
 atcagagaag aagatgatgt ttggtttaga gaaaacgatg actttggagc atgaaattct 180
 gaaggagaat catgagactc tgttgaaaga ttatgagagt cttcaggaga ggattaagca 240
 tgctgaggaa gcttatgagg ctattaagtt gcatcatgag aacaaagcta aggagcttga 300
 agtgagtaac aaacgcttgc ttgaggaatg tatgaaagag agaagggaga aggctaaggt 360
 taggaagact tttgaggaga tgaaggaaga caatggagag tgagagaact gctattgttg 420
 atgagttgaa gntcgaagna tcanggggct ttgttgggga anaaa 465

<210> 10137
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-066-Q1-E1-D9
 <400> 10137

ctgtttgtgaa taatgcagag ccgccgtgag ctcaggcgcc accgtaacga agaacaaacc 60
 tgaaggagaa aaataagcca tgggatgtgc ggcgtccaag ctcgataacg aagatgctgt 120
 acggcggttg aaggatcgcc gccgtctgat gaaagaagct gtctacgctc gtcacatct 180
 cgccgccgct cagcccgatt actgccgac gcttcgtatc actggatctg ctctttcctc 240
 attcgccctc ggtgagcctc tctctgtatc tgatcaaact ccggtctgtt tcctccatac 300

tccccctcct ccgctttctg aacaatctcc ggctaaattht gtcctccac gtttttcgcc 360
gtcgcctgct ctttctcatg cctcctccgt ctggaactgg gaaaaatt 408

<210> 10138
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-E11

<400> 10138

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atcgaagccc ttgtttctgg ttttagtctc ttgtctgaaa tcaatctcaa aaaggttctg 120
ttttttcggg gaaatgtgca gcttttgatt gtttcatttt ccgattgttt cagaagaact 180
ggaatcgccg taaagtctga attttttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntttttt ggctgttggt gtaatctggg 300
aaagtttggg attttgtatc gatctcagat ggtgaaaaga cgaagaagtg tgattgtttt 360
ggggatatga ttaaagaacc tgaattgttc ctggtgttga aaanaa 406

<210> 10139
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-066-Q1-E1-B10

<400> 10139

cctcgccgga catgctagaa gataacaatc cacacccaaa cttaccaga gagacaatct 60
ctgattcacg tccactacaa ttaccgaatc tctccgaagc caccgatcac ctacgctagt 120
ttcagtggca attcgaagct tccaatgagt ttgttctgta attcaatcgg aaacccttta 180
tccaaaacca ttctttcac acaaatctca cttctttacc ttctccaatt ccaaattcca 240
aaaccctaaa ttcacaagct tccacttcg tcaccaatgg cggatcgaat catgtctgaa 300
atcagcatct tcatcagaaa tcgatatggt aagaaacana gaaggtatcc tttgcaccaa 360
aggagaanaa aagttggtag tcgtatgggg acttaagaca acaagaccac cagc 414

<210> 10140
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-065-Q1-E1-C4

<400> 10140

tcaaaggcaa gaccgttaca aatctaacaa gataagaatc atctatacaa ctgcactaaa 60
 tgttcttggg aaatcaagga ggctgtgga agctctcaat gtattccacg ctatgctgtt 120
 acaaatttca tcatatccgg atatggtagc ataccgttca attgcagtca cacttggaca 180
 agctgggcat atcaaggaac tcttctatgt gattgacaca atgaggtctc cacctaaaaa 240
 gaagttcaag ccancaacac ttganaaatg ggatccccgg cttgaaccag atgttgttgt 300
 ttacaatgcy gtgctcaacg cangtgttca acgtnnagca ntgggaangg ccatccccgg 360
 gtatttgnaa cagtt 375

<210> 10141
 <211> 340
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-065-Q1-E1-C8

<400> 10141

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnna cttccaattc tcagattagg tgttcgataa 180
 atgagccggt gaaggtgatg atttcgggtg caccggcttc aggaaaaggc actcaatgtg 240
 agtcattgt tcacaagttt ggtttgggtg acatatcaac aggggatcta ttgagagcag 300
 aggtgtcatc tgggacanga tattgggaaa gagagcaaaa 340

<210> 10142
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-C9

<400> 10142

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tacaaacgcc attgacgacc acgacaggag ccaagcctca gtttttgaca actcgagtat 120
ctctgagaaa aagctccttg gtcgcttcaa cacttgcttt tccctattat cgacctacgc 180
agtaaatang attacttatt gctatctttt anctgatgca ntctcgcggc attgtcgcg 240
ctgagaagtt actacaanag atcatcggtg tttcccagct nagacaatga ccgatccgtg 300
caantattna atcncgtacg ttngagggtta ctcttccagc tcanggacca cgtgttccac 360
aanccngaag ggctgattgg ggagctgtgc aanagtangn aaaatttgca gaaggcacgc 420
ng 422

<210> 10143
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-D11

<400> 10143

cccggtcga cccaaacgtc cgcccacgcg tccgtactct tcaacatcat ccagcccatt 60
ctatctgggg tagcaattgg agcagggatg cagagtatgg tagcattagt gaacttagca 120
tcttattatg caattggtgt tcctttaggt gtcctccttg tttacgtttt caattttggg 180
attaagggac tctggtccgg aatggttgnt ggagttggta tccaancgtt gatattgtgt 240
tatgttattt acaaaaactga ctgggaattg ggagggttaag aagacaaacc gagcgtatga 300
nancgtggac tcnaaattta nctgctgtac aatcgactac tatctccaca agangatgaa 360
gagagaacgt gaacatacaa cnaagttaag ttagagaaat cttttaagca aattccnta 419

<210> 10144
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-065-Q1-E1-D7

<400> 10144

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goggacactt aattctaata aacggcggca gaaaatgaac tctctgttca ccgccttccg 120

ccgcaacctc ctcttaaacc ctaatcctca ccgcaacttc tttcttcata gattgttata 180

atcatctcgc cgttcatccc cgctcattcc cgtcgagcct ctcaccaac ggatacantc 240

acccgcgta cccgattcta catgtactcc accgcaacaa aacaccgtct cgaaancccg 300

atctcnctag natatcgaat cttctcgaga ancactggat gttgttcccg gggtcgagnt 360

ctcgagtcan gctttanatn nanncgggna tcgaaacgna ctgntgaagt tgggtcacgc 420

gttngtccat nnggtgaacg ttcaanctcc gaatgttggc ttcantncag gtgttncgaa 480

atnggcggg agcatcaaaa 500

<210> 10145

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-E10

<400> 10145

angcgtccgc ttcttttctca aattagcttt tctttatcgt cttcctcaag cgtgagattc 60

gttgtggata tangtttttc tccttgattc tctggttctt tccatgatcc aattttaagg 120

gtttcacggc ttcggttttt ttgggtatat ctagctctan ncgttcgtgg tggttttctt 180

tctggatcaa agttttctga gatctctgcg atttctggga ttcgaaaatt gganaattag 240

ggctttttta cggtaacagg gtttcgaaga gcataanata agaatgcctt cggtgccctc 300

taagcttcnt cctcnctgt cnttgattcc ttcgntgact cntagcatt ctggtttgag 360

ttcgaatcgt ttgnaaacnc ctgaaaangt gtgagatggc gtgggnaagc taa 413

<210> 10146

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-E7

<400> 10146

tgctcacatg gngctggatg tttgatgatg ttggatttcc acaagattac aggcacatgg 60

agggtttcgg tgtccacacc tacacnctta ttgccaaatc tggaaaagtt ctctttgtga 120

agttccactg gnaaccaact tgtgggatca anaatctgac tgatgaaaag gccaangttg 180

ttggangagc caatcacagc cacgccacta aggatctcca cgatgccatt gcattctggca 240

actaccccga gtggaaactt ttcattccaga ccatggatcc tgcagatgaa ngataaantt 300

tgactttgac cccacttgat ggtgacccaa agatctgggc ctgaaggata ttttgcctct 360

gcaaaccggt tgggncgctt ggttcctgaa cagggaccat tgacantttt cgttcagtng 420

aaactg 426

<210> 10147

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-H2

<400> 10147

taccgcccc aatttcccaa ngctnaccca cgcgtccgnc tgccttnttg tggccattac 60

atatgttggc caaaaagctt atctacaaga aatttcattc gtctattggg atactgaagg 120

ctggatttag cggaggtggt agttttaccca ttcattgtga caagtttttt gagggcatcg 180

gtgtgattct acaaaatggt tatggtttga cagagacctc acctgttgtc tgtgcacgga 240

cacttatctg caatgttctt ggctcagctn ggcattccat gcattgtaca naattcaaaa 300

ttgtagatcc tgagactaat aatgtactcc ctctgnttt caaaggggca ttatcaaagt 360

cagaggcca cagggttatg aangggttnt tatnangaac catcgactnc aangcangtt 420

ccnaaatga gagtnggggt gttcaagtcc aggagacaac ngggtttg 468

<210> 10148

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-H4

<400> 10148

aaagatctct caaagaatgg cttccgcggc tgttgcacgc atggttcttg accctaaagc 60
atcacccggcc ttgatggatc tatccaccgc agacgaagaa gatctctatg gccgcctcaa 120
atcgcttgaa cgacaactag agttcaccga tatccaagaa gaatatgtga aagacgagca 180
aaagaatctc aaacgagagc tgttacgang cacaagaaga ggtcaaacga attcaatccg 240
tgccttttggg gataggtcag ttcattggna tggtagatca gaacaacggc atcgccggg 300
atctactact gggctnccaa ntactangtc aaaattctca ncacaatcaa ntagagaaac 360
tcttaaangc cttctgcctt ccggtngctc ttcancgtca nntcccaang ncctgggtg 420
agggttttgc ctccggg 437

<210> 10149

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-H6

<400> 10149

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gtccggaaga agcttagctt ataatcgaat ctaagccgtt tcgggaaatt ctgtttgtag 120
gtgacaaaat cctcttatag ggatttctt agctatgaat ttctctgca atttcttttt 180
ttccccgcca aaatttctcc tgaagcaaat gtagcttttt acttgctgaa ctagggtttt 240
gttcgatttt gttctctttt cctcgctgat tttgtcggaa tttctgggtt tgggaagaga 300
anttggannt cgttattgat tgaaatgaag aagcttttag gaggtccngg aactgtgtnt 360
ggtcagtnac tgagaatcgg acaatgttgc ttcagcctgc tgctttcaat cggggtnatg 420
gtctccggct aaaagaagtt cncgttnac actgcttttn tgctacttn gatctgcggt 480

<210> 10150

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-A10

<400> 10150

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gaagaacaac aaaactcaga tcagagcaat ggtggaaacg ttattccaac tectgaagaa 120

gttgetacgt tctgcacaa aactgttgaa gaagggtgat gggaaaaatg ttgggaagaa 180

gagataacac catgggacca agggagagcc acacctctca ttgttcatct tgtcgacact 240

tcctcactcc cacttggccg tgctctggtc cccggctgtg gtggaggaca cgacgtcgtt 300

gcgatggcaa gtctgaacg cttcgttgtt ggattggata tttccgaaag cgcactcgcg 360

aaaagctaata gngacttac ggctcctcac caaaaggcag aagttacttt tcc 413

<210> 10151

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-A2

<400> 10151

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ttgcacaagc aacatttanc ttctgcaaac tccagttcat ctctcaacc tcatatcgcc 120

gtgttttctc gctctagtag cgcgagctcg gacgaaccag gaagcaatcc gttaatctag 180

aagcgggtgtt gagaagatga cgattacatc aaatatctct gtacagaacg ataacctcgt 240

tgttcaaggg aagactatcc ttacaaaaat cctgacaac attatcctaa ctccggttac 300

cggtaatgga ttcgtttccg gntcatttan angcgcgacg tttgaacaaa gcaaagagtc 360

ttcatgtgtt ccccatcngt gtattggg 388

<210> 10152

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-A3

<400> 10152

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tgacccatt actgcttctc tttcctcctc tcctttggca acacacacgc ttaaggatag 120
 tgatgggtgat cctgtggctg tttcagtgcg ccttgggtggg gattactttg tttgctcaac 180
 ctccaaaggt ggttgcaagt tatttgagct tgtcggagga gcaacaggta ttacgatctt 240
 agccaaagaa ctcttctcctc tccaaaatgc tggactacaa aagtgtatgg ccttcagctt 300
 tgatgggtct aaattagctg ttgggggaggt ggatggatgt cttagaatta tggagtggcc 360
 aaacctaagt gtaattttgg atgagccaaa ggcacacaaa tccatccggg acatggattt 420
 tagtctgact cagagttctt anccacaaca tcaaccggat gggtnaacct acaaaa 476

<210> 10153
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-A6

<400> 10153
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnc aggatttggt ttttccgttt gaggtaaagc agctttgcag 180
 ttaaagaaac cttgagtatc caatgtcccc ggaagaggag ctacagagca atgtatcggt 240
 ggctagttct tcacctacta gcaattgcat ctccaggaac actctaggag gacttaaaga 300
 gcataactac ttgggtctct ctgattgttc ttctgttgga aagctctact ctctctcccc 360
 ttgctgaaga tgacaaaggn tacgatcaan cctcaaaggt aanggagccc tg 412

<210> 10154
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-066-Q1-E1-B1

<400> 10154
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 tgaatcggca aagctttaga agaaaatggc atcaggaggt aaagccaagt acataatcgg 120

tgctctcatc ggttctttcg gaatctcata catcttcgac aaagttatct ctgataataa 180
 gatcttttga gggactactc caggaactgt ctctaacaaa gaatggtggg cagcaacgga 240
 tgaagaaatt ccaagcatgg ccaagaaccg ctggctctcc cgttgttatg aatcccatta 300
 nccgtcagaa tttcatcgtc aagactcgtc cggaatgaga aaatnataag gttcaatgct 360
 ttgattttca gaataaggat gaancgatga cc 392

<210> 10155
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-065-Q1-E1-B5

<400> 10155
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 ctcgacctta tccgttctaa gggtaaaaat gttgtctttg tgaccaacaa ttcgtaaaaa 180
 tcgaggaggc aatacgtga aaagtccga tctttggggg gtcacntcta ntactcagga 240
 tgagatcttc ncttcgtcat ttgcggcagc tatgtatctc aaagtcaata actttcntaa 300
 gggncangaa ggtttatgtg attggtgcan aanggtgttc ttgagggacc tggcaggatt 360
 gcnggtttna cagggctctg gggggctcct gaanaa 396

<210> 10156
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G1

<400> 10156
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 attctttgag aagcatccga aatctcaaaa gtgtttgttg ctctttgttc ttttagggac 120
 atgtatggct attggtgata gtgtcctcac tccaacaatc tcagttcttt cagctgtttc 180
 tggagtcaan ctcaagattc ccaaccttca cgagaattan gttggtaatc atcggnangt 240

ntcancttgg tggcganatt ctcagntcca ncggttatggt acgcananag tcgccttcat 300
 tttcggctcc aatctccact gcttggttc nctccatcag tagcattgga gtttacaaca 360
 ctataaantg ggaaccngcg tatagtcctc ngcggtttcg cccggtttan a 411

<210> 10157
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G12
 <400> 10157

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 cctcagaagc acttttctgg ttgcaacttc ctcaagccat tcgccatctg atgaacaagc 120
 taacgagaag gtctccgcag aaaatctctt cccctacttt agactcagga gctgatgaag 180
 tagctatgcc gagtaaaata ccatctactg gattatcgtc acctgaagcc aggaagatag 240
 actctatgtg tgatgggttca cttagattga tggcttttga gcgaagaaga attacggacg 300
 cgtgccaatg aacgtcttcc ttggcatgaa aaattagacg gagaagattg cattcagaaa 360
 caagtacacg anctgataat cagttgggaa atttgggaag cctgctg 407

<210> 10158
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G3
 <400> 10158

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 gganattgag actgggttca agtcntgggt atcanaacag aagttaccgg tggnanccgc 180
 cgttgctacg gccatgggtg gtgttcangg agcttttatc ggtgggttaa tgggaacttt 240
 atctcctgaa atgcctcaan gctgngtant ganccctcaa agctatggct tcnctnannc 300
 aaaactcagg ctcntgttgg tgggcctttg gttcaagctc ggaactttgc tgctataact 360

ggtgttaatg ctggtattgc ttgtgttang aaacggatta gaaggcaacg ag 412

<210> 10159
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-063-Q1-E1-G4

<400> 10159

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gaaaaacccg ctccacgctt taatcatgca gcggcgacta ttgggaacaa aatgatagta 180
gttgggtggag agtctggttag tggcttggtg gatgatgtac aggtgcttaa ctttgattca 240
tgtacatggt ccaccgcacg ttcaaaagtt tacttatcgc cgagtagtct tcctctcatg 300
atccctgctt ggaaaggcca ttgcttggtc tcttggggta aaaaagtgct gttgggtggg 360
ggaaaaacag atcctagcag tgatagaagt ttcagtgtgg gcatttgat 409

<210> 10160
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-G7

<400> 10160

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atcaaggata ctaaatatga agaagccgtc aaggtcgctg atcaagtttt gtcgattgta 180
cctaccgatg aggatgcgat ccgatgcaaa gttgtggctc tgataaaaga cgataagttc 240
gatgattatc taatcaaaga cgtaagatc aatgggtgctc tctccgtcat taactcgttt 300
ccaatcgatc tangttttca caaggtatag taattttgct aagatttgaa agttttttgg 360
ggtctaattg atgtttctct tgataggcgt attgtttaat acc 403

<210> 10161

<211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-G8

<400> 10161

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accatctcca accgcaaccg caacaacttt gtttagcctta tcagcgatat ccgaagtggg 180
agatgcaaag tgtgagtgtt gtggcatgtc tgaagagtgc acgccggagt acatacaccg 240
tgtgcgttca naattctcag ggaagctgat ttgcgggctg tgcgananag cggtggnngg 300
ggagatggat aagannanca acagtgaagt gctgatggnn aagcggcnag aagangcagt 360
gaaggtagac atgagcgcac gttcncggtt caacnggcta ggccggga 408
  
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<210> 10162
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-H1

<400> 10162

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tgtgtgtgtg atcttcaatg ggtttatgct tagctcaatt ggctgtaaca tgtttgttcc 120
tagtaccttt tgttctgtct caagttacag agtttgtaag tatagattgt ggttgctcaa 180
gtaactacac agaccaaga actggnctag gatgggtttc agattcagag atcatcaaac 240
agggcaagcc agtaactttg gccaatacca attggaactc gatgcaatac cgtangagaa 300
gngatttccc aactgacnaa taagaagtat tgttacagac tcagtaccaa agagangaaa 360
gcgatncant tgnchnaact acattcctta aagggcnggt ttgggtattg angaagccta 420
acccaaaagn ttcaacttta ccttggggt 449
  
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<210> 10163
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-H10

<400> 10163

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ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct  120
ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcaa gggactttct tgttaaagct  180
ttacttgagg aggaagtttc ccagacgttg tatcgacttt gccccttatg ctggcaaagg  240
tatgttgatg ctctgtagca accttgaagg tggatgtccc gcaactagag agttcaaaca  300
attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcac  360
gaaaaacatc gatgtggaga tgaatgggag atgtgaattg ctttcc                      406

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<210> 10164

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-063-Q1-E1-H12

<400> 10164

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gagaaagggt ttgcatttgc aacctttctc aaattggggt ctgtgcattt ccttgcaact  120
tggaataatg gaactaaatc tctttctctg gttcatcaat ggcggatcaa acgaagaaga  180
gatacgttac aagcgaggat ttgaaaaaac acaacaàacc tggagattta tggatttcga  240
ttcaaggtaa agtttacgac gtttccgatt ggggttaaate tcatcccga ggcaagcag  300
cgattctcaa tctcgccggc caagacgtca ccgacgcgtt catcgcttac catcccggaa  360
ccgcatggca ccacttagaa aagcttcaca atggctatca cgtggag                      407

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<210> 10165

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-H4

<400> 10165

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cattcagata tgncaaagat aggactgatg cagaagtagc tactattgag gcggtatgc 120

tacgtgaagc catagagaag aaacaattag atcatgacca tgtcctgtac atattaggaa 180

cgcgtagtat ctatcagctc agagaaactt ttgttgctta caagaagaat tatgggggtca 240

caattgataa ggatgttgat ggatgtccag gagatgctga tctgagaagt ctattgaagg 300

tggcaatctt ttgtattgat actcctgaga aacactttgc aaaggtggta agagattcga 360

ttgaggggtt tggaacagat gaggattcgt tgacgagggc gattgtgacg cgtgcagaga 420

tcgatttgat gaaagtaaga ngagagtatt tcaac 455

<210> 10166

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-H7

<400> 10166

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cgtgggcgga cgcgtggggt cgatatcggc ggtgacgatg cggcggcgtt accattctca 120

tcgggaacaa cagggttacc aaaaggagtt gttttgacac acaagagctt aatcacaagc 180

gttgacacaac aagtagatgg agataaccca aatctttacc tcaaatacaa cgacgtcata 240

ctctgcgttt taccactttt ccatatctac tctctcaata gcgtcctcct caattcactc 300

cgatccggcg ccacggttct tttaatgcat aagtttgaga tcggtgcgtn attggatctt 360

attcaangac atagagtac aatagcggcg cttgtncgcg cgctagtgat cgcnctagct 420

aaaaaccccg acgggttaat tcttangat 449

<210> 10167

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-H8

<400> 10167

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tgttctccgc tacgaatcaa tgatccacga attcgatccg tatttcaact accgtacgac 120

tcttttcttc acagagaaaag gcttctacga gttttggaac tggttcgatt ccgagagttg 180

gtatcctcta ggtcgaatca tcggcggtag tctttatccc ggtcttatgg tcacagctgc 240

gttaatcnac tgggacattg cgatttctcc cgattcttcg ttcatatccc gtgaggtttg 300

tgtgttaacc gcaccgtttt tcgcgtcgaa tacgactctc gttgcgtann ttctttggta 360

aagagctttg ggatacagga gctggctttg ttgctgctgt tcctancgcc 410

<210> 10168

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A4.

<400> 10168

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tcgaattcga tacgtcatag taattagcaa ctatggaacg atgtcgttct ggtcatcatc 120

gcatcatttc ttattanctc tcttcttcgt tgatactatt ttgggtgtatt ttcgttctcg 180

tgctgttata tacgacaagt actacaaatg ctttagtgaa aatccccgaaa aacacgaccg 240

ttccggcggt aataagtgtt cggtgattca attgtcgatg ccgggaataa cgacgacatg 300

ataacagaag ctagatgcga ttatgctccc tacggcattg attttgacgg tggagttgct 360

acgggaagat tctctaattg caaagtcctt gggatgatt gtagccggaa gagctangg 419

<210> 10169

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A5

<400> 10169

cttttatttt attttatttt gtcttaaagc ttttggcgag ttgcttgtg tgtgagtgtg 60

tggttatgga ctctccgttc aaacctgatg tcgtcagagg tcaagtggct ctcacaccg 120
 gtggtggatc cggtatcggg tttagatctt cttctcagtt tggcaaaccat ggagcttcta 180
 tcgctatcat gggacgacga aaacaagtcc tcgatgacgc cgtctctgct cttcgatctc 240
 ttggaatcca ggctattgga ttggaagggtg atgttcgtaa gcaagaagat gcgagaagag 300
 ttgtggaagc aacttttcag cattttggta aacttgatat tcttgtaaac gccgctgctg 360
 gcaattttct ggctgctgct gaagatttgt cccctaangg gttcagaaca atctt 415

<210> 10170
 <211> 376
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-064-Q1-E1-B10

<400> 10170
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 aacaaacttt atccggcgat cttaccgttt acccgctttt agcccggtgg gtcctccac 180
 cgtgactgct tccaccgccg tcgtcccga gattctctcc tttggacaac angcaccgga 240
 ancacctctt caccaccaa aaccaccga gcaatctcac natggtcncc atctctccga 300
 tcaagcccggt cttttctcct ctatcncaac ctctgatntc ntccgtgccca ccgccgtgtt 360
 gcatgcccgc gccgat 376

<210> 10171
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F8

<400> 10171
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 catacagcta atgtttacca tcgtgatctt aaaccaaga acatactggc aaatgcaaac 120
 tgcaagttga aagtctgtga ctttggactt gcaagagtgt cgtttaatga tacacctacg 180

acagtctttt ggacggatta tgttgccaca agatggtaca gggcacctga gctctgtgga 240
 tcattctgtt ctaagtatac tccagcaatt gacatttgga gcattggctg catcttcgct 300
 gaggtattaa caggggaagcc tttgtttcca ggaaaaagtg ttgtccatca gttagacttg 360
 attaccgata ttcttggcac accaaaatca gagaccantg ctgg 404

<210> 10172
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E1
 <400> 10172

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 ataacattga cgtttgcttt caccggaatt tgtcgcgtgg aattggaatg tgccttcata 120
 gtcgatggga gaaagcctct aaaggttcat ggggttcagac aatgtcacc ttcgaccata 180
 aaatccttga tgtagaagt acctagctct aacaaggctc cattggaagt gtctgctgta 240
 gaagaattat ttatgcatcg cataagtatt ctactcctt ggtgctgtat tactggcttc 300
 ggcttctaca ctgagccaat ctttagcgtt ttactacagt agtgcaatgg ctgttggtat 360
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<210> 10173
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E11
 <400> 10173

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 attggtgggc ttgcttggac aacgtctgat cgtggtctca gagatgcctt tgagaagtat 180
 ggnacctcg ttgaggccaa ggtggttctt gacaagtttt ctggtcgctc ccgtggtttt 240
 ggattcatca ctttcgatga gaanaaagct atggatgaag ctattgcagc aatgaatgga 300

atggatttgg atgggcgaac tatcactgtt gataaagctc ancctcatca gggtggtgca 360
 ggcaaganat aatgatgggtg accgtgggtcg anaccgtgga tatgatcgtg atcgcantcc 420
 gtcctctctgg tgg 433

<210> 10174
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E12
 <400> 10174

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 gctgcagaaa tcatcagtgc aatgatacta ggtggaacaa tggctaagaa gtgcaaaatt 120
 gaagatccat caggctttat cctttttcct ctagttgttc attcttttga cttgattata 180
 tcctcaattg gtattctatc aatcaaggga acacgtgatg ctagtgtgaa atctccggta 240
 gaggatccaa tggctgtact tcagaaagga tattctctga caattatatt agctgttata 300
 acatttggtg cgctgactcg ctggctgctt tacactgaac aagctccatc tgcattgggtc 360
 aatttcgccc tatgtggggtt ggttggcatc atcacagcct atatctttgt ctgg 414

<210> 10175
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E2
 <400> 10175

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 gagtattctt gtgaatcctt ttcttcttga gacatctaag ggagaagaat gtgaaataga 120
 tacatttact gaggcagaga atttaggaat taagcctgaa ggcttaagta ttggctcaga 180
 ggtttcttca tcagacaagc ttctcgctgg agacaaaact gaacctcaag gccaaaccga 240
 tttggttgcg gtcaaggaat ttcccagtgc agagaacata ctgatattcta agattaactc 300
 tgaagatatc ggaatgaaag ctgaagaggg taaatcatca ttaggggaatg cacaaactgt 360

tgaatcagaa accttgagag tttctctacc tgctgtagat tctgtant

408

<210> 10176
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-E3

<400> 10176

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gataatgact agtagcgagg aagtagttga agtgacggtg gttaaagcac ctgaagctgg 120
cggaggaaaag ttatcacgtc ggaagattcg gaagaaagac gccggtgttg atggtttggg 180
gaagtgggag agatttctcc cgaaaatcgc gcttagagtt ttgctcgttg aagctgatga 240
ttctactaag acagattatc cgtgctctt ctcaggaaat gtagttacag agttgctgca 300
gtacctgatg gcttaaaagc ttggggagat gcctaaaagg aaagcctgaa agttgttgat 360
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<210> 10177
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-E4

<400> 10177

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tttcttcctc acagatcaag aggtctttac actttaacgg attgagttct tcatgtctcc 180
ggtttccttt aaccgatttt gccggacgtt tacggcggcg gaagctcact ggggtgggttg 240
tgtataaagg cagttttgga ctctgcaatg atggagcagt tagggcttaa ggaatcagat 300
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actgttcttg atgctcaagc tangggtttg tacaggctcg actcagac 408

<210> 10178

<211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-063-Q1-E1-E5

 <400> 10178

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 cgcagaagcc tgaagttgat gcgtggaccg gatcggattc gtcaaagtcg tcggctgata 180
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 taagctatgc agcagcatct tttagcaagc gaacaaaaaa acaggaaatg cattcggtga 360
 cttctcagca ggaaagcatg attcaatcat ctgatgaaat t 401

<210> 10179
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-E6

 <400> 10179

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 cgagttgatg aacaacaatt tggcactttg ggtataaact gctccattgc tagacctaaa 120
 cacgaagtgt ccaccangac gcccttcata cctcactttc atgggtggcgc attgggcatg 180
 ggtatattca aaggtgaatt gcctgattgt ctctcagatg atgctttgaa tgcactgatg 240
 gaggtgtctt ccaaagatga attgcctgag catgtcttag atgatgcttt gtatgcacgg 300
 gccggtggta tcttccaagg tgaattgcct gattggccct cagatgatgc tttgaatgat 360
 ggaaaacgat ttacatgct gaaggaaatca gagtggcagg cca 403

<210> 10180
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-063-Q1-E1-E7

<400> 10180

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gtttttgttg agtgggttga gaagagagat ggcgagaagt agatcgatta gtggttatgg 180
gatatggaaa tatttgaatc ctgctgatta tcttagaaga ccgagacgtt tggctttgct 240
tttcattgtc ttgctctctg tttctatgct tgtctgggat cgtattaatc ttgcccgaga 300
acatgagggt gaagttttta agctaaatga agaagtttca cggttggagc agatgttaga 360
agagcttaat ggtggtgttg gcaataagcc tttgaagact ctgaaggatg ccccaa 416

<210> 10181

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-E8

<400> 10181

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tggcacctga ttctcatctt ctttcttgtg gaatctgggt tttgttgagg agttttcgag 120
gttcctcatn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnca acctttaaat gccctaattt tgaggttcta gttgtggttt 240
ttaagattag gaggagaagc cttttcgact aaagttcatg ttagctgcaa tttgctgaag 300
tattcacaag ttttgttctg ttggaagctc tatgtgtttc cttctgtgat tgaaacacag 360
agagaatgat tttaccanaa gcagtattgt tgcacacact cgc 403

<210> 10182

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-F10

<400> 10182

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aagaaagcta attaaagttt tctctctagc tattectctt cttttcttgt tcttgaaaac 180
taggggtttac ttcaccaaaa gataagatct ttccccagaa aaagcaatac ccaagtcatg 240
tttctgtgtg tctgtatata gataaaacat tacataccct aataaggtta cacaaatagc 300
tataaaagag ggaaaatang atagggattt tttgggggtga ggaaagatgg gaagaggaag 360
agtagagctc aagaggatag agaacanaat caacagacaa gtgacgtttg ctaaaacgt 419

<210> 10183
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-F11
<400> 10183

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tctcgttccg gagaagggtcc ttcaatggcg gataagaaga aggctgatga tgacaacaac 180
aacagcaaca tggatgatga gcttcttgcg gttcttggct acaangttcg atcttctgag 240
atggctgaag tancacagaa gcttgaacaa cttgagatgg tcttgtctaa tgatgatgtt 300
ggttctactg tcttaaacga ctctgttcat tataacccca tctgatctct ctaacngggg 360
cnaagagcat gcnttctgaa cctgaacaac ccggncttct cggatct 407

<210> 10184
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-063-Q1-E1-F2
<400> 10184

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gtcacgtaga aaatccctca gagatctgta aacaaagtag aatagttgtc cattagcggt 120
ttatcagtcg tacggcaagg aagcttaatc cgtcattcct cattgctctt tccatttttt 180

taatgttttt atatgatctt gaaggtgtgg tgctaggcag tcaggagatc tagactcttc 240
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 ccagctggcc tcatcagga gagtgaaaaa gatatttgct cattgcttag atggaagaaa 360
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<210> 10185
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F5

<400> 10185

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 cactgaacca aggcattgagt cctcacgttc tagcgtcgta tcgccatata gtcgctacaa 180
 ttttcattgc tccatttggc tatttcttgg atagaaaaat acggccgaag atgacgctat 240
 ccatcttctt caagatattg ttgcttgggt tattggaacc aacaattgat cagaacttat 300
 actacactgg tatgaagtac actccgcca ctttcacagc tgcaatgaca aatgttcttc 360
 ctgcctttgc ctttattatg ggcatgggat ctttagacnt gag 403

<210> 10186
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-F7

<400> 10186

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 aatccacttg tggaggcttt tgacaccgct gctgagatta gtgctcgccg tgccacggag 120
 cctatttacg ctgtttggaa aacgaagcgt gtgttgaacg tgggaagcga gaggaagctt 180
 agggaagcga tcaggaccgt gcacgtgttg gtctctgaga ttgtcagagc taagaagaag 240
 agtcttgaga tcggaaccgg agcagaagca aagcaagatc ttttgtccag gtttccaacc 300

cgccggccaa caancggcga aagccagttg aggggacatt ggtttattag ntttatcatg 360
 ggcggggaaa gaanatacaa acgtcaagca gccgatgaac gttggctggt ttttgggttt 420
 gttgactgag aaacaattga cgttggaanc ngaaagattt tagaaagaag ttggaccng 480
 ttggtgagt 489

<210> 10187
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-063-Q1-E1-D5
 <400> 10187

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 cctacttcaa cagccaacga cagaagacag tgatgaagag ctggaatatg ctgatagtag 120
 cagcgggact gcggatcatt tgtcaggcct aaatctgcaa atggagtcca aagcatctga 180
 gcttggctct gatggagcag gttacatatg ggaagtatgt gaaggggctc atgatgagga 240
 gtggaagcat tctgttgac caatcccaa ggataaactt tctgagatta ctcaggccat 300
 agacgatgat gacacagatg atgaaagtgt cgtcccgact tctggagagt tgaaatctga 360
 tgctgatagt attaactg atgtgaatga tcccaatgat ga 402

<210> 10188
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-A3
 <400> 10188

aaccaaacia gaccatatgg gcactcgaat actccathtt gttatcggct acttccacta 60
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 aagcagttgt gagttaagtt ggagaaaatg gntgtgtttg ggaatgtttc tgcggcgaat 180
 ttgccttata aaaacgggtt tttggaggca ctttcatctg gaggttgtga actaatggga 240
 catatcttta gggttccac ttctcaagcg ctttaagaaa gaacanggag gaggagtact 300
 gctggctcctt tgcangtagt ttgtgtggat attccaangc cagagctaga gaacactgtc 360

aatttcttgg aagctgctaa gtttatctgc atccttccgt agtgctcctn 410

<210> 10189
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A4

<400> 10189

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gttctgtttc cgttcttcgt cgtcttcttc gtacctcttg atcacgtttc ttcagaatct 120
atcagcagag caaattttcc agatggattt gtattcggaa cagcttcttc agcttaccag 180
ttcgaaggag ctgtgaaaga aggaaacaaa ggagaaagca tatgggacac tttcacgaag 240
gagaaaccag gaaagatact ggattttaag caatgcggat actacggttg atnaatatca 300
taggtttcac aatggacata gacctgatga aaagatctga gaatggatgc ntacagattc 360
tctatatctt ggncaagaat attccctaatt ggaacanggg aagtaaacc 409

<210> 10190
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A9

<400> 10190

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aatggcctct acgcttcaat cttgtcatca agattctaca gttaatgacg gttcttcaac 120
cataagatct anggaaatca ntgcatttta tagtgggaga ttaagtgagt acgatcttgt 180
acagatccag atgagagcag taatagagat ggcgagcaag gatcgtgaag taacagccgt 240
tagagttagt gccggtgaga ctggaatcac cgttaggatg ttcggtgaag agatcngtga 300
aaaggttctt ggagaacagg aagaagagaa gcaagatctt ttacacttac acctaatc 360
acctcanggt acttcctcat catctcctc tcntcataat ttccaatcaa taatttna 418

<210> 10191
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-063-Q1-E1-B3

<400> 10191

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gaattcagag tcctcctcct caccagtaaa cgaagaagag aacagccaga gaatctcaac 60
actccatcac caaaccatgc cttccgattt aactcaagac gaattcacc c aactctccca 120
atcaatcgcc gagttccaca cgtaccaact cggtaacggc cgttgctcat ctctcctagc 180
tcagcgaatc cacgcgcgcg cggaaacagt atgggccgtg gtgagacggt tcgataggcc 240
acagatttac aaacacttca tcaaaagctg taacgtgagt gaagatttcg aagatgcgaa 300
gtgggatgca cgcgcgacgt gaacgtgata agtggattac cggcgaatac gtctcgagag 360
agattagatc tgttggacca tgatcggaga gtgactgggt ttagtataaa ccg 413
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<210> 10192
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-B4

<400> 10192

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tagagagaat ccaggaatgg ttgattctgg taatggtttg agatacttta atctcttcga 180
cgctcaaatc gacgccgttt tcgcagcaat gtcggcttta aagtacgatg atatcgaaat 240
cattgtcacg gaaactgggt ggccgtcgaa aggagatgag aatgaagtcg gagctactct 300
agctaacgca gcttcttaca acggaaactt aatccgtcgg atcttgacac gtggaggtac 360
accgttacgt cctaaagcag atctaacggt cnat 394
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<210> 10193
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-B6

<400> 10193

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tgattcatgg ttgctttctg ataccttctc tcacgacaac gatttgetcg caagagctct 180
ccataccacc gtcacagccc ctcatactct cactccttcc tctgctttct tcgattcctc 240
cgctgtttct cacccttctt ccactaacac actctcctct accgtctccg gtgcttctga 300
tccaagaaat catcggcgga ggagctaaac ggaaacgtaa ctgccttctt accgacggtg 360
aagccgccaa gcgcgcgct cgtgcttcca agaaatctca ngac 404
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<210> 10194
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-C10

<400> 10194

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ggcgatagaa gaagtcattg accaatcatc atcctccang tcatcatcat cgcagagatc 120
atcgcttccc ggcggcggag gactgatccg ttacggctca gctccgggat cgttttctaaa 180
ctctgtgggt gacnaagtca tcggnagang ctcatcaaac gctcgtgact tcaccggcta 240
tcaaccgtcg tcggataact tcatcggtta ctttttcacc ggaactgctg actcatcctc 300
gctganatnc gattcganna cttgtggagt caacanctca tccganggac agaancagct 360
aggcaataac aataataaca ctagtaatag agatatcttc ctct 404
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<210> 10195
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-C11

<400> 10195

taggcacgac gaattcagct gttgctgcta tggaaggagg taaaccaacg attgtgacta 60
acgctgaagg tcaaagaact acaccttctg ttgtggctta tactaagagt aaagatanac 120
ttgttgggtca gattgctaaa cgtcaanctg ttgttaatcc gganaataact ttcttctctg 180
ttaagagggtt tattggtana anaatgaatg aanttgctga acantctaag cagggtttctt 240
atagagttat taaagatgag aatggtaatg ttaagcttga ttgtcctgct attggtaaac 300
aatttgctgc tgangagatt tctgctcagg ttttgaggaa gcttgtggat gatgcttcga 360
natttttgaa tgataaagta acgaaagctg tcatcactgt gcctg 405

<210> 10196
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-C3
<400> 10196

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tgcgccagtc tttctccgga ggtttctcct cttctcagan cagctcatca nactgtggan 180
aantacgtaa agagtgggat gattattggt ttaggatctg gacaagcttc aagattttgc 240
tatacgttat ttgggtcaac aacttggttc nggttcttta canaatgttg ttggtgtacc 300
aatgtctgct cgaagtgcna agtgaagcag canagtatgg aatccccttg gaaaattacc 360
gggatgggtgt tcanattgat tttgcatttc atgatgcaga agctgta 407

<210> 10197
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-C6
<400> 10197

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tgtggctttt aaatcgagga atgatnatcc ttcncaacgt gtggntttta aatcgaggaa 120

ngatgagcct tcncaccgtg tggcttttan atcgcggaac natgantctt ctcaangtga 180
 tcgacctctt tacagtgcag attgggcttg tccnaaatgc gactttgtaa actttgccag 240
 aatgaaaga tgccgagagt gcaatgaagt cgctgacaga cnacctgttg ctgctgttgt 300
 caaggaaggt gacnggctan gtcctgagt tagtttctta aacttcacaa gaaaccaana 360
 gctgtctgaa atgcatggca nagggaccaa agaaaaanctt c 401

<210> 10198
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-C9

<400> 10198

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 cttttcatat ttcagatggg caanaagaan cngttgactg gngggtcang caaaactcat 120
 ggtaatggta ntanctacan anatcctctg ttgcagaatc aggaggataa accgaaagcg 180
 aatggnagcg agaatggttt gaatgatctt gagcatggtg tacttgaggc ggcanatgtt 240
 ggatttggca gagtcnttgc gttggcaaan cccgatgcng gaaanntagt gattggnacc 300
 attgctttgt tgataggttc aacaactaat ctcttggtc caaagtttgg tgggatgatt 360
 atatacattg tatccagaga tgtcaagacg cctgagcanc 400

<210> 10199
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-D10

<400> 10199

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 ggaaactgaa attgagatcg aanttttgag tttgggtaaa aatggtagg aggagtagaa 120
 gaattgagta ttgaacagtt agcttcnagt atctctacct acaaagaana nctcgaacag 180
 gttaggcagc ttttgtcaga ggatccnagg aactcggaat atgcagacat ggnaaaggat 240

gcttaagaga ggtgattgca ttgacagagg aagttcttgc cncngcaaag cagantgagg 300
 atttctctan cagatgccgg nngttagngc tgaagcaact cctg 344

<210> 10200
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-D11
 <400> 10200

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 tggcccgta gttctctctt gcagatgcta aacaaaancc atatggctat ggtaaaaacc 180
 aagctgcaga tgatttatch ctagtgggtga atactanccg tttatacatt ccagctcgtt 240
 ataggganga ccataatgta ttanatgcag acttagcaca atcctcagta aatgtggagc 300
 gttttcttcc caacatgtca catggcggtt cttcacttat aactccaaag gcagacagta 360
 actttgggtc tactaagtgg attgcggtgg gagccaaacc ctacattttc aagtaaaggg 420
 t 421

<210> 10201
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-063-Q1-E1-D12
 <400> 10201

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 aacgatggcg tcgaactcgc ttangagctg tggcatagcc gccgtgtacc cttegettct 120
 ctcttcntcc aagtcgaaat tcgtatccgc cggagttcca ctcccaaacg ccgggaatgt 180
 tggtcgtatc anaatggntg ctactggat gcctggcgag ccacgatcag cttaccttga 240
 cggttcngct cctgntgact ttgggtttga cccacttga cntggggaaa gttccagcna 300
 accttgagag atacaacgga gtcaagagct catccactgt tngatgggct angcncgcct 360

gttcctggga ttttggtacc agaagcatta gnggtatggg aaacctgggt taaaggctca 420
tgga 424

<210> 10202
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-D4

<400> 10202

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atctctctac ttcttggata aaatggcgct aactttcact gccacatctt ctattgggtc 120
aatggttgct ccgaatggct acaaactctga taagaaactt atcagcaagt tgtcttcaag 180
ctcatttgga aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt 240
gtgcgagca aaggaattac atttcaacaa agatgggact accattagga gacttcaagc 300
tggtgtcaac aagctcgag atcttggttg tgttacactt ggacccaaag gacgaaatgt 360
tgttcttgaa gagcaagtat ggatcaccac naattgttaa tgatgggtg 408

<210> 10203
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-063-Q1-E1-A2

<400> 10203

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nactcctctc 120
ttttcttctc catccctgt ttttccatag acgaacaggg tctagctctc ctctcatgga 180
aatctcagtt gaacatctcc ggagacgctt tatcttcttg gnaagcctcc gaatcgaatc 240
cttgtcaatg ggtgggaatc aaatgcaacg aaagangtca ngtctcggag atacaactcc 300
aagtcagga ttttcaaggt ccgttaccgg cgacgaatct ccgncagat aaagtcnctg 360
actttgctca gcntaacct 379

<210> 10204
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D4

<400> 10204

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ttantgttaa ctttattttc canttatttc atatcaacag atgctgtgaa tggatcattt 180
cctgcgcctt tggcttttgg agattcaatt ctcgatactg gcaacaacaa ttttctcctg 240
acttttatga naggaaatat ctggccatat ggaaggagtt tcagcatgan aagggcgaca 300
ggaagatttg gaaatggaag agttttctct gatatagttg ctgaaggttt agggatcaag 360
aagattttac cagcttatcg taagttgttc aattctccaa gtgaccttat aactggtgtn 420
tgcttcgcac caggtggtgc angagttgac cctgttacat ccanattgct gagagtttta 480
acgccaagg gtcaag 496
```

<210> 10205
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D8

<400> 10205

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cgacgagagc cgtcgctaac cgacgacgta attcttaggt cgaacggaaa actccgccgc 120
tacgtttagt cgaagagatg acttctactt ccgctgcgaa gatctcaatg tttggtgcc 180
aatctggatt cgttatccct aaaaacaaac tatctggatc attgatccca atttttcaac 240
gtggaaacaa aaccctagga agtgccgatt cagacactgg acctccgtcg aagctgggga 300
agaaaagaaa gactaaatgg gctcctgatt tgtcacaaga tattgcagtc aagaaatgtc 360
gatttttagc ttaacaagaa acgcgtggat caaattacac agcgattggn atctggactc 420
```

ctgaantgga gactaat

437

<210> 10206
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-D9

<400> 10206

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ttgtatatca aatgagaaaa agatgcaaca ctttcagaag ttttccgcag tgaagttggt 120
ttgaactctt tagctccgaa atggattaag aaatttatag tcgcttatca tttcgagact 180
gtgcanacat tgggtgtttcg tgtgtatgat gttgacacca agtttcaaaa ttcaagagag 240
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ataatcacia natcaactag gacgagcaca ttacganctc aagcgcaaag atggctttgc 360
tccacaggct cagcctcacc acggaaagct tancatccat gcngaagagt cncttgcttc 420
naagatttca aca 433

<210> 10207
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E1

<400> 10207

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caaaaagaag aaccatctct tgttaaacac tccaaaatca gctacaatgt caatttcaag 120
agtttatctc tgtctaactt ttctcacatt cgtcagttcc ccacttgtgc tctgctctcg 180
cagccccgaaa ctgcgagcag catcagcagc aataggggaag aagcatggga aagaacatgt 240
tcattctccg ngcaatgctt ttttctgaat tcccgaagggt tgattcanca tcctccatga 300
cacatattga tgagcctgca acaaantctg caatagccgg ttttttcagg tatagactac 360
cattccaggg atggcctttc cacaagtatg ctcctttccc aatgggtaca cctacgaatc 420

cttccgttcc tgntncttca acaccgtctt ctggagctgc tgctgctgan gaagaggaaa 480
ccngagaagt 490

<210> 10208
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-061-Q1-E1-E11

<400> 10208

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cgtcgttaacc tccgattttc atgtcgtccg tcggtgatcg agggattaga aacggcgcca 120
ccggaaatag ccggaatggt tcggagacga cgttttggag gtaaggaagc actgcgatgt 180
ctgattcgtc gattagtcga tcttttccga tcttctcacc gatctccgat ctgcctttct 240
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tctcaagttc cggcgagcat catcgacttc acaatttcaa aaacaatcag ataagagcgg 360
ttctagctcg atgtgaagtg aaatcgttgc tttcgttggg ag 402

<210> 10209
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E2

<400> 10209

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ggctcttcaa agcaattcaa tntcataag acaatattgc cggagaaact ctctcggggg 120
gtcgttctt ctgcattttc tgcttcccaa tggttccan aattgctgat tctctcttcn 180
ccttcacggg cccacagcaa tgtcttecta nggttccaa ncttgctgct tcttctgctc 240
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atcgaagtag aanatgtgta gctcctgtga aaaggagaat tggatgtatc aaagcgggtg 360
ctgctccagt tgcaccgct tcagctgaca gtgcagaana cagggaacag ttaccagaaa 420

gctatggatt cagacaaatt gggagaagat cttcctgaga atgtcacctt aaaagatatc 480
atggggtaca cnttccaaag agg 503

<210> 10210
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E4

<400> 10210

gtaccgnccc aaaaattccc gaagtccacc cacggcctcc gatcccttca acgcctgaga 60
aacctc aaa aggtcccatg tggagaggag tcatcggtgc ttacatcgtc gtagcgctct 120
gttatttccc cgtggctctc gttggatact acattttcgg gaacggagtc gaagataata 180
ttctcatgtc acttaagaaa ccggcgtggt taatcgccac ggcgaaacatc ttcgtcgtga 240
tccatgtcat tggtaggtta ccagatatat gcaatgccgg tatttgatat gatggagact 300
ttattggtca agaagctaaa tttcagacca accacaactc ttcggttctt tgtccgtaat 360
ttctacgttg ctgcaactat gtttggtggt atgacgtttc cgtncntcgg gtgggcgttt 420
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agttgggtta 490

<210> 10211
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E5

<400> 10211

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnacc catggctaata cgttatgatc caaatccttt 120
cgctgaggaa gaagaagtca atcctttcgc taatgctaga ggagttccac ctgcgtcgaa 180
ttcgagactt tcgcctttgc ctccagagcc tgttggtttc gattatggtc gaaccgtaca 240
cattcctctt gacagagctg gtacacagga tttgaanaag aaagagaagg aactccaagc 300

caaagaagct gagctaaaac gacgagagca ggacctnana cggaaanaag atgctgctgc 360
acgagctgga atcgtcnattt gaa 383

<210> 10212
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-E9

<400> 10212

acgcgtccgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tctggctctg 60
tttccatttc tagcgatcgt gatccaactc agctgttggg agctaggaac agatgcatta 120
ccgagcggtg ggttcgtgag gacgaaaggt gttcagttta gtctcaatgg ctatccatat 180
tacgctaata gtttcaatgc ctactggctc atgtacgtag cctccgatcc atcccaacgg 240
tctaagatct ccaccgcttt ccaagatgct tctcgccatg gattgaccgt tgctcgaacc 300
tgggctttca gcgatggcgg ttacagggct cttcagtatt cccctggctc ctacaacgag 360
gatatgtttc agggtttgga ttttgcgtta gctgaggcaa g 401

<210> 10213
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F1

<400> 10213

tgttagcctg ctngtacggc ccgaaattcc cgaagtcnac ccangcgtcc gcacaactta 60
aaatagaacc ananagtaaa cacttaagca aaacaatttt gtcctactct taggttatct 120
ccantgaaga acttaangat ggttttcttc aagatcctct ttatctcttt aatggcagga 180
ttagccagn gaaaggatcta agatcaacgt anaagatctc caaaagttct ccctccacca 240
tacacagaac aacctccana ccataaagcc ttctattggt tcttgtcgtt nttgtgtgga 300
tctctacat gtaaccgga cctaaaccgg ttaccttgt tgatttctcc tgctacgctt 360
ccaccgtcgc atcncaangt caagtatcca naccctaag ggacacgcaa gacgtgcaag 420

agatgcaggc atgtgttggn acaacatgga gac

453

<210> 10214
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F2

<400> 10214

acgangcctg taccggcccg aaaattccga agtcnaccaa ggcgtccggc gatagagaat 60
ctagnagaga gagagaggat gggtcacac tcattgctgca acaagcaaaa ggtgaagaga 120
gggctttggt cacctgaaga agacgaaaag ctcatcaact acatcaattc atatggccat 180
ggatgttgga gctctgttcc taaacatgca ggtttgacaga gatgtggaaa gagttgtaga 240
ttaagatgga taaattatct aagacctgat cttaaactgt gaagcttctc tcctcaagaa 300
gctgctctta tcattgagct tcacagcatt cttggtaaca gatgggctca aattgctaaa 360
catctacctg ggaagaacag ataacgaggt caagaatttc tgggaactcg agcattaaaa 420
agaagcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnn 475

<210> 10215
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-F3

<400> 10215

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tttttttttg gtccgtacga ggaaaaatct aggagacaga gcnatttggt cgaaagatgc 120
anctttttaa tagctgttgt ggaaaaggat ttgatgggaa gaagaaagaa aaggaagagc 180
catcttgag ggtattttca ctgaaggaac ttcatgcagc caccaacagt ttcaattacg 240
ataacaaact cggatgaangt cgatttggtg gtgtctattg gggtcagcta tgggatggct 300
cacaaattgc agtcaagagg ttgaaggaat ggagtaatag agaagagata gattttgctg 360
tggaagtcga agattcttgc tcgtattcgt cacaagaatt tgttgagtgt tcgtggctac 420

tgtgctgaag gacaagaacg tcttcttggtg tacgagtaca tgcanaattt tgagcttggt 480
 ttcacatctt caaggnc 497

<210> 10216
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-F4

<400> 10216

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 cgcggacgcg tgggattcag ttcctttgtg ttgaacttaa gaccctagag ataaagattt 120
 ggatnggaca accttagnac gggcgtggca acaagtggat tctttagctc caacacgatc 180
 ccaaacttct ccncnacctc cactctctct ccttgcggan ttttccaatc aanagaatgc 240
 anaaacgtat cgagattgtn nagaacaacc ctncgccc tanncattcc cacgcatatc 300
 ctacgaccaa gacccaaacg gtagataatt gaagtcattt cctttgaagg tcataagaca 360
 tatccagaaa cctgtcggga tcaaacttca gtggattctc ccataattc gggttccnat 420
 ngattgccc cgcggtgatg aaaacnnttg aatcctttaa gggatgggtg aanccgccc 480
 ccaaggtggg tttgttaagg g 501

<210> 10217
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-F9

<400> 10217

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 caaagttttg agtcagtaga gaaatggcgg gaatcgtgac agagccgtgg tcagtacctg 120
 agaacggaaa cccaagcata acggcgaaag gatcagacag agaactaaga cttggaagan 180
 ccgctcacia catgtcttct tcttctttga ggaaaaatc agacctccga gtgattcana 240
 aggnntcata caaaagggtc ttaaagattt tctctcta ctccaagaag tcattctcgg 300

aacaaagctt gccattcttt ttccggccat tctgcccgc attatttgca cctattgtgg 360
 cgtcagtcag ccttggatat ttggacttag cttgctaggg act 403

<210> 10218
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-061-Q1-E1-D12
 <400> 10218

acttctatTT ctccctctcc ttgtcacaag gaaagggcgt agaagaacca aaacctaaac 60
 aaaagagcaa taataactca ttaaaaaacc aaaaccaaaa aaaaaacaaa atgggtgtca 120
 aaatgttatt aatcttttgt ctcttgatct tagctatggg agctaaatcc gtcaatgcaa 180
 cctacccttt aaccaaactc tgcacaaacg ggcaagggtg catcggggaa gacgatgagc 240
 tcgaatctct aatggattca gagacaaacc gtcgtcaact cgcaagagga cgtcgttaca 300
 ttggctacga tgctctcaaa aagaacaatg tgccttgcag tagacgtggc cgatcctact 360
 acgattgcaa gaagagaaga aggaataatc cttacaggcg tgggatgc 408

<210> 10219
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-A4
 <400> 10219

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 gcatctgtcc gtganagaca ttcccagcct tcattttctc agacgtctgc tccttctaac 120
 ctacctggct atggaacatc agctatagtc gctatggata gaagttcaaa tttatcatct 180
 ggaggatctc tttcttctgg gttactcctt tcgcaatcaa aggatgtcaa taaaggttct 240
 gaacgtagtc tggaaagtgt gttacaatca agcaagcaga aggtcagtc aattgaaagt 300
 atgctccgag gactgcatat atctgataga caaaatcctg cagcccttcg ttcaagtagt 360
 ttggatctag gagttgaccc tccatcgtct cgtgatcctc ctttccatgc tgttgctcca 420
 gcatccaata gtcacacaag tagcgcagct gctgaatcaa cacatagtat caacanaggc 480

agtaat

486

<210> 10220
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-061-Q1-E1-A8

<400> 10220

acgcgtccgt catcatcctt ccaatggcta ttacttgaga actcttctga ttaaacaatag 60
caacaacaac aactcttctt ctctctctt tctcacttca atttagcgat ggctgcaact 120
gcaatctctt ctctttcctt cccagctttg ggtcaatcgg acaagatctc caatttcgca 180
tcttctcgtc ctctcgctc cgcaattcgc atctgcacaa agttttctcg cctttctttg 240
aattcgcgtt ccacttcgaa atctcttatt cactgcatgt ccaatgttac cgccgatgtg 300
cctcctgtat cagagacaaa gtcgaaattc ctaaaagctt acaagcgacc catcccgagt 360
atctacaaca cggttttgca ggagctcatt gtccagcagc atttgatgaa ggtataagaa 420
agacttacgt taagatccgg tttt 444

<210> 10221
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-B12

<400> 10221

aatcgagtta ttttctctt caattcatcc caaacgctg taaccattct ctttcgnttc 60
gtttcgtttc ttctctttta aaaacctttc ttcgaaaaga tgacgatctc tgttgagaag 120
ccgatttttg aagaggtttc tgcattcgag aagagtgggg acaatatcgg agagttgaaa 180
ttggacggag gattttcgat gccgaaaatg gacaccaatg acgacnaagc ttttttggt 240
cctgagatga atgcatttgg ncgccaattc agggactacg atgttgagag tgagaggcaa 300
aagggcgctn aagagtttta cagattacaa cacatcaacc aaactgtcng actttgggaa 360
aanagatgag ggctgaatan gggaaattng ataaaatggg tgat, 404

<210> 10222
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B3

 <400> 10222

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tcccganatc gacccacgcc tccgtctcnc tctaactact ctctttctctc tttctctcac   60
tanagaanaa actagggcat cgagganaat catcatcaag aagctactat cangagaaat  120
caaagcccta caacacanna atcaacatgg gagctganga agaaaccaat aaggacatat  180
cctcattggc taaaacctct gctacgagaa aagttctttg tacaatgcan attacacgca  240
nattcacata agagtgaatg taacatgtac tgtttagact gtaccaatgg tectctctgt  300
tctctctgcn tatctttcca caagngacca tcacgccatt cagatctaag atcatcatat  360
cacgatgtta taanactgtt cgganattca ganagtttct gggacataac aaggagttca  420
gacatatggt gattaaacag ttgctn                                         446
  
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<210> 10223
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B4

 <400> 10223

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tacgcctgct tgtaccggcc cgaaaattcc cgagtcgacc cacgcgtccg cccacgcgtc   60
cgcttccagg aagaacagac aacgagatca agaacttatg gaacactcat ttgaagaaac  120
gtcttttata tatgggtctt gatcccagaa ctcatgagcc attaccttca tatgggttag  180
ctaaacaagc tccatcttca ccaacaactc gccacatggc tcaatgggaa agtgctaggg  240
ttgaagctga ggcaaggctt tctagagaat caatgctctt tagcccttct ttttactctg  300
gtgtagtaaa aactgaatgt gatcatttct tacgcatttg gaattccgag attgggtgaag  360
ctttcaggaa tctcgctcca ttagatgaat caactattac taagtcaaag cccttgctcg  420
agggcaacat cgacctcatc tgcacttctg aagagctcaa canattcttg ggggagggaa  480
  
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<210> 10224
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B7

 <400> 10224

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 agagaggttc tggaagaaga ataataaaaa atatctagca gactcgggcc aggattaccg 180
 caagcacgtt tatcttcccg atgatattct ggaaatgtgt ttgatgaggc ttcctttgac 240
 cagcttattg aatgcacacc ttgtttgcaa gaaatggcaa tccatggcca aactcagcg 300
 gtttctccag atgagacgag aaggctcctt tcaaacaccg tggttgtttc tgtttgctgc 360
 tcttaaagat ggatgctcct ctggtgatat tcacgggtat gatgtttctc aggacaaatg 420
 gcataggatt gaaactgac tacttaaagg cccggtttat gtactccgtg acgagcatcc 480
 atgangg 487

<210> 10225
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-B9

 <400> 10225

gaaaccggtc canaaattcc cgggtcnacc cacgcgtccg caagagctcg atcttgctca 60
 atctcgtggt aatgttactc tctcccgcat tgacgcgatt gttgagcgag ggaattgcat 120
 cgaaggcgtg aagactgctt tggaatccga ggattacgaa tctgctgcga aatttgatca 180
 gagatttctc cagattgatt tgcagtacaa ggattctggt tccgatcaga gcgaacagct 240
 tcacgcgtcg aaggagcagc ttgaaggat tgcaagaag aagctcttgg cagcantaga 300
 ccaagagaga tcctcctaca attttgagat tcgtgagact gtattcccca ctgggaatgg 360

agacagaagg tctacaagct ttacgttggt tacttgaaaa aggtcattgc gttgagagga 420
 angatgggat atgaaaatgt tgttgagctc atg 453

<210> 10226
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-061-Q1-E1-C10
 <400> 10226

atcgggtaccg gtgttaggaa aatcaatccg tccaattcat aattaatggc gaccaccggc 60
 gcggcgccca ccaccgagat tggtaatcca gaatataaac agcctcgatc gatatttgac 120
 ttgacggcgg atttctttga ctctgttcgg ttgtcgaatc cttcggagac tcaatcggca 180
 ttcggaccac ccaaaacttt cgatccagag gaggcggagg aggataagag ttccaaggac 240
 ggcgtgattt tggacagatg gacctgtaat acttgtaaaa ttgagttcct gtctcttcaa 300
 gatcaacgct accacttcaa gtccgatatt catcgctta acatcaagct gagtggtgct 360
 gggcaaggct atattaaaag aggaagatgt tgatgagttg ac 402

<210> 10227
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-061-Q1-E1-C11
 <400> 10227

aaaccaaaca agaccatatg ggcactcgaa tactccattt tgttatcggc tacttccact 60
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 gaagcagttg tgagttaagt tggagaaaat ggttggtgtt gggaatgttt ctgcggcgaa 180
 tttgccttat caaacgggt ttttgagggc actttcatct ggaggttggt aactaatggg 240
 acatagcttt agggttccca cttctcaagc gcttaagaca agaacaagga ggaggagtac 300
 tgctggtcct ttgcaggtag tttgtgtgga tattccaagg ccagagctag agaacactgt 360
 caatttcttg gaagctgcta gtttatctgc atccttccgt agt 403

<210> 10228

<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-061-Q1-E1-C12

<400> 10228

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gcagctaggc agtgttctta gccgaccatc gtggctacca gttcctgact ttgcactcaa 180
agctttgctc ggagaagggtg ccactgtagt tctggaggga cagaaggat tacctgtaag 240
agccaaagag cttgggttttg aattcaagta taaatacgtg aaggatgcac tcagagccat 300
tatgcaataa ggtgacacac ataagcatct ttgtaaaatt ggttttgatc acagaaaatc 360
cccagaaaaa caagatatc ttttcttttc gtctctatat ctt 403

<210> 10229
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-061-Q1-E1-C3

<400> 10229

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agataatatt atcgccaacg gggtttccag ccagagaaca ttcaacatat tggatatctc 180
gagcggacac ctatttgata agtttctgat aaacgaagct cttgatatga tcgaagcggc 240
tggtggctca tttcatttgg ctaaagtga actggggcag agcgctgatg ctgaatcgta 300
ctcagaactt gaagttggtg cggatgataa gagagtattg gatcaaatca ttgattcatt 360
aactcgggta gctaatacaa atgaagatta tatatcccca catagagaag canataagat 420
ctcactgaag attggtaaan tccagcaaga aaatgagata naagacaagc ctganatgac 480
gaacaaatca agtgn 495

<210> 10230
<211> 450

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-C6

 <400> 10230

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 cggagatagc aaacatggag aagaaacgcg aaggagtaat cgaaggaatg agtcggatcg 120
 tatcagatcc ttactacttc ctccatttca tggccttttt ctcttacctc ccgattcgtat 180
 gctccgccgc accgtacact tctcatcgac tcttcgacag agaaatccan gcattttctag 240
 cgtttcttat gttttccgcc attaagatgg tgagggagga aacatgggaa gctttcgttg 300
 ctgatagttt actctatgct aagatctttc ttattgcggg ttcgttgatt atggnnnttat 360
 cgagtggcgg tctggttttag tatcatattt tcaagttata tancctaata ncctcaacaa 420
 ccagcattta gtaaactaag gaactgcgaa 450

<210> 10231
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-C7

 <400> 10231

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 aaatggctat ctcaaagctt attctactct tgtgctcttt gttttgttct cttttgatgt 120
 tagtgttgct catccaggtc taggatttgg atggggaagt aatagtccca ttggaggatc 180
 tttttactca aatctttacc cacaatttta ccagttctct tgtccacaag ctgatgagat 240
 tgttatgacg gtgctcgaaa aagccatagc taaagaacca agaatggcag catctttact 300
 cagacttcac ttccacgact gcttcgttca gggctgtgat gcatcaatct tgttggatga 360
 tagtgcaacc ataagaagtg aaaagaatgc tggaccaaac aagaactccg ttagaggggtt 420
 tcaagtaatc gacgaagatc aaagccaaac ttgagcaagc ttgtcctcaa actgtctcct 480
 gcgccgacat tcc 493

<210> 10232
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-061-Q1-E1-D10

<400> 10232

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 aggatgcaa aacatactac ttatctctc cctctggctc acatggaact cctccatcac 180
 aactccaac tccacacact ccatcacaca cgccaactcc acacaccct ccttgtaact 240
 gtggaagtcc accttccan ccttccangc cttcacaccc ttccactcct tgcagcaan 300
 cgnatcaca cctccttct nggtgggata ttactcatct cctccaanca aangaactcc 360
 ggttggtgt gactccacca tcacncattg ttgattcaag gcacacccat ca 412

<210> 10233
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H8

<400> 10233

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 aaaggcacia tgtgtgccca cactgatatg gtcaccgcca ttgctacacc ggtcgataac 120
 tccgacgtga ttgtaacttc gtcgctgac aaatcaatca tcctctggaa actcaciaaag 180
 gaagacaagt catacctgtg tgctcaccgg gaggatgact ggtcactctc acttcggtca 240
 agacgttggt ctctccnccg attggacaaa ttcgctctct ccgggatcnt gggacggtga 300
 gcttcgtcnc tgggatctcn ctaccggaga atctacnct cngtttcgtt tgtcacaacg 360
 aanagatggt ctctctgttt gctttcngct aacgataacc gttcagattg nctcctgctt 420
 tctcggatgat tntaacgatt a 441

<210> 10234
 <211> 492

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F3

 <400> 10234

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 aactatgtgc tcaaaatcac cgctgatctc gagaatctca ctaatctcca gccttccggt 120
 ggctgcgacg attccaactt cccttacctc ttcaagttga aatgtgaaag atgtggagag 180
 gtgactccga aagaaacatg tgtgactttg aatgagactt ttactcctcc gggaggtagg 240
 ggtacttgtc atcttgttca gaagtgtgaa ttctgtggaa gggaagggaa tgtgactatg 300
 attccgggca aaggctgacc tttaactctg ggaagattct gaggctggag aaacatgccc 360
 ctcttatgg gtgtttgact gtcgtgggct atgaaaccaa ttgatttccg gattttggtg 420
 ggatattgga aagctcaagc tgaatcctgg gnaccaaatt ttgatgaaga ttgatttgct 480
 caancgggga ag 492

<210> 10235
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F6

 <400> 10235

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 cacanggtga ccatttcgtt catcgataaa atgttgtag gaggactaat gtagagggtt 120
 ttgttcagag tccttanatc atccaccgcc ttgatcatga ggaacatttt tgcgcgcaaa 180
 gatganggcc ttgtctctag tatgagaaat gagaccanac tcgaactgaa ntaacgtacg 240
 caagtaanaa ccggcagagc aattgctanc aacgtaagtg tatggtattc cttcagcttc 300
 aatggctctc ctgatctgta ccttcctgc aatnatgat tttgcnggct caaccgcact 360
 ggtcntctca ncgtctatcc caaactcagc cggcaangaa tctctgcang agcaaaaact 420
 atanatctag ttt 433

<210> 10236
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-F7

<400> 10236

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cttactgtg aattaatcga gagatctaaa tatccgcat ggacagagca caattgatct 120
tgttaggtct acctatattc ttgttttgtt cggatctctt caacctcttc actcctccgc 180
ctcctaaacc tcagcctcac cgtcctcatc agccaccgca tttcctcac cagcatcgtc 240
ctaattgcgat catccccgaa accctagact ttccttcaca gaagacaagt ggcttangag 300
gagcaattgg atatgggaaa tacagtagag atcaacttct gcgtctcctg ttcttacaag 360
ggaactgcag tcacatgaa gaagatgttt agagacggct tttcccggtt taagatgtga 420
ttctcgana ttaccacaac caacangcac caanaacgcc ctctannct aaggttgtgc 480
cggtttgttc aagatgggga 500

<210> 10237
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-G2

<400> 10237

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actaataata cagagatgaa taatctagcg atggaagaag aggatgaagg agagattttc 120
cttggtgaat ccgatgtcct ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctctgttcac 240
acattcactg gtcacaaagg tgagctttat gcattggctt gtagtcanc agatgctaca 300
cttggtgcaa ctggaggtgg agatgataaa agcatttctc tggaaaattg ggaaatggga 360
gaattggggg ctgcnagacc ttctgtgtca caagggactc cntctcttgn tntagccntn 420
tagccaatgg atgggncagt ttactttgccc ttctggaagg ntt 463

<210> 10238
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-G3

<400> 10238

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tgcgatttta gctctaggga tcgatttcgg cgtaaacgt cgtcgttttc gaccatctcc 120
tacttactac tactcagctg cttctgcctt ctagggttct ttctccgttc accctccgcc 180
gcacgagttg tccagctccg ccgcattctt ctgtctccca gatcaccggc ttttaagcaaa 240
tccggctgct ttctactcta attcgtaaac cacttggtggg atttgagcat cttttacatt 300
ctccaaaatc tctgctttct anggttttgt gagttttggg tgggatgagt agtgtgttca 360
gttgattaag attctggatg ataaaccccc taaactcaat aagcagtcaa caagtccaac 420
cgaaactcct ggtcaacatt ggtgtataat caatccggag caaaagcaga atttgattcg 480
ttacgacatg gggagaaaac aa 502

<210> 10239
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-G5

<400> 10239

gttcctgttc cttcatctat tgatcctatc gttgcagcat caatcatgct caaggggatg 60
actgcacagt ttctccttcg ccgttgcttc aaggtcgaac ctgggcacac aatccttggt 120
catgctgcag ctggtggagt tgggtctctg ttgtgtcaat gggcaaatgc gcttggagcc 180
actgtgattg gaactgtctc gaccaatgag aaagcggctc aagccaaaga agatggatgc 240
caccatgtta ttatgtacaa gaacgaggat tttgtttccc gagtcaatga cattacatcg 300
gggtaaagga gtaaagngtt gtttaatgaa ctctgtgggn aaaagacacc ttttaagggga 360
tcgttagcat ggtttgaann agcccaagga tacatggtga agcctttggg gcaaactctc 420

<210> 10240
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-G6

<400> 10240

acgcgtccgg tcttggtaga ctaaagaatg tagccggaaa tgtgaatcag agttttgttc 60
agtgcctcca tttctgaggt atgggaagta ctgtggacta ctttacagtg gatgtcctgg 120
tgagagacct tgtgatggtc ttgattcttg ttgcatgaaa catgatgctt gtgtccaatc 180
caagaataat gattatctaa gccaagagtg tagtcagaag ttcattaact gcatgaacaa 240
tttcagccag aagaagcaac cgacgttcaa aggtaacaaa tgcgacgctg atgaagtgat 300
tgatgtcatc tccattgtca tggaagctgc tcttatcgcc ggcaaagtcc tcaaagaaac 360
cctaactatt tatantatat ttttccanna ttccaagtta caattgttcc ccttttttcc 420
cccctcaagg acatttggcc ttaatttaa 449

<210> 10241
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-060-Q1-E1-G7

<400> 10241

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ttattagaag tggtaaacca gaagagattc ttccttctct tgctaaagat tttggagctc 180
gtacagtttt tgcgcataaa gaaacgtgta gtgaggaggt agacgttgaa agacttgtga 240
atcaaggttt gaaaagggtt ggaaatagta ctaancttna gctcatttgg ggaagtacca 300
tgtatcacia agatgatcnt ccttttgang tttttgacht gccnngatgt cnaaacccaa 360
nttccgaact ncggtnggaa ggctaaatgt angatcanga agnttcaaac cgcatttcaa 420

cgaatctcct agggccaana centcnngnt gaagaantgg gggaagaatg gttccnactn 480
 cttgaagaaa acttgggggg ttgn 504

<210> 10242
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H1
 <400> 10242

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 gcaaaactgc cgataaaagt tcgttaactc ggaagctgaa gcatgatgtt atcgaaggag 120
 tgaatcaact tattcaagag attgctgggt gtcatgagca gatcgctgaa caagctatag 180
 agcatataca tcaaaatgag gtgaccta ccctgggtag ctcaagaaca gtgcttgagt 240
 ttctgtgtgc tgcaaaggag aaaaaaagat cttttcgtgt atttgttgcc gaagggtgctc 300
 caagatatca gggccatcta ttagcaaaaag aattgggtanc tagaagggtt gcagacaact 360
 gtgatcaacc gactcctgca gtgtttgcta aggatatact cgagttgaat atggttaata 420
 aatttgagc tcatgcantt gatgggctaa tgggtggaag tttataaggg ccaagttngg 480
 tgtcaacatt ggctgggtcc ttgcancaca aaaa 514

<210> 10243
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H2
 <400> 10243

aaaaatcaga agaaacaaca gcaacaaggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ttttgtaaaa accaaagctt 120
 ttctttttca taaatataat ttatttcaac acttgtttac tgttttttct ctgtgaaaat 180
 tgtcacggat ccttcgtttt tttttatana ctcatagcaa aaataatctc atccccagat 240
 ttcttaccca tctatctatc ttcttctctg tctcttaagg ggttctgggt tttagctgtt 300

tgggtttatt tgggtncgtt tctcacttaa tgttttgtcc ttttccaang ancagggaaac 360
 agtgaaaggg tcggtttttt gggtttccga tctgataatc aacaaggaaa aaanggtttg 420
 aanttaagtc cggctnnggt ttga 444

<210> 10244
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-H6
 <400> 10244

acacgtccgc ccacgcgtcc ggtaaaacct ttacttctga gcaagacaag aaaaaagaag 60
 atattgagcg attatgattc ggcgagctgc caaattctcc agagaagcag cggcaacgat 120
 tcgtggccgc acgatctccg ttagaggaaa ccttattcga tactcgacgc cattgagatt 180
 gattcacggt gaaatcagcg ttccaaacgc gaatcatgtt gctattcaga tggttaatta 240
 cgctctttct cagcgtaggt cacanaaatc agatgaatct tatgctcaag ggatgctant 300
 gctntgagca gtgtcttggg aatcancctn acgatgatca nggtttctca tgattctaaa 360
 gcaanaagtc ttgccttgcn aangtcggnt ccttttagac gaaaagttgg gaaatactn 419

<210> 10245
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-060-Q1-E1-F1
 <400> 10245

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 gcggacgcgt gggttgagac tggcttgctt anccgcggag aactcagaac tcattcgctg 120
 caaacatggc aagaggtttg aagaagcatt tgaagaggct caatgctcct aagcattgga 180
 tgcttgataa acttggtggt gcctttgccc ccaagccgtc ttctggggca cacaagtcta 240
 gggagtgttt acccttggtc cttatcatca ngaacagggt gaaagtatgc tctgacatac 300
 agagaagtga nttcgatctt gatgcaaagg catattcang ttgatgggga aaattgagga 360

ctngacgaag aacttaccct gccgggggttc antgggattg tttgttgctc aatcccccaa 420
 anacaaatgn agaaacttcc cgtcnttntg tantgacacc aagnggaccg tttccgtctn 480
 canctccatc aaggggtnga cgag 504

<210> 10246
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C11
 <400> 10246

cttttcaccg cccttctcat agcanctctc gccgntcctg tgtaatcggg aatcggtaat 60
 cgtcaggggc ggtttggggc acggcgaccc gattttctga ttattanggt ttaagatctc 120
 gaggttgagg agagcttgaa aagttgtttg tcaacatgga gcgcaagact attgacttgg 180
 agcaaggatg ggactatatg cagactggaa ttactaagct gaaacggatt ctggaaggat 240
 tgaatgagcc agcatttgac tctgagcaat atatgatgct ttatacgact atctacaaca 300
 tgtgcaccca gaaacctcct catgattact cacagcagct ttatgacaag tatcggaag 360
 catttganga atatattaaa ccaaacagtt ttgcccgcgt tnaaggg 407

<210> 10247
 <211> 357
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-C12
 <400> 10247

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 ttattattta gttattgcgg ataangaaca ctaataanat ggggatgtcn aaaagtatca 120
 aggttatctt anctcttgct ctcgtagtgt tcntggccct tgctgcaacc aaggttgagg 180
 ccacaagnta cataacttat cctgctancg atcgtggaga tcatgctgta cattgtgaca 240
 aagccccccc taacacctgc aacaagaaag aagcaaatcc ttaccaagag aggatgcgag 300
 aagatnante gttgccgtgg tggataggtg gaaaacagtg aattaaccaa ccnccc 357

<210> 10248
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-C3

<400> 10248

aaaaatcccg gaacnaccba cgnngccgan ggtttaaanc ttcgaatctc tcccttttgc 60
tcgtcatata tctaaatcac cccactcaag atttcaaatt ccctatatct ttgtttttat 120
aaattctttc taattttatt gtcacatata attgaagcct aataaatcac accacactgt 180
cttactctgt ttttgtttct tctctactct gttttttttt tttcccttca acattgaaga 240
taaacttata ttttctctct caaagactga nantttanca aaatgggtctc atcgtcntca 300
tcattgttan ctccatcttc atatacagag ttaaaagatg cntgggaatc cancaacaaa 360
cagcgaagca cancaggnat caagctacng gtttaattgg ngggttatgg atctgctgca 420
tatgggtggn tatagcgaac tgtgatcana gg 452

<210> 10249
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-C5

<400> 10249

aaacttcaaa ccaaaaaaaaa taaatgggag aggaagannn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac aagaaagtgg 120
atgctgagaa aaaaggagaa gattctgaca agaagcctca agaaggagaa tctaacaaag 180
attccaaaga agattctgct ccggcggcgc ctgaggctcc agcaccgcct cctccgccgc 240
aagangttgt tottaangtt tacatgcact gtgaaggatt gtgctagaaa aagtccgccg 300
ttgtctcaaa angcttcgaa ggagtgggaag atgtgatgac tgattgtaaa aacggggaaa 360
agttggtggt naaaggttga gaaagctgat tccaattgga nag 403

<210> 10250
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-C6

<400> 10250

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agtgtttcag tggttggtac cggttcagaa aatttgacac atctagactt gtcgagctgc 120
aacatcaccc agttcccgat gtttattaag gacttacaaa gattatgggtg gttagacatt 180
tccaataata gaattaaagg aaaagtcct gagttgttat ggactctgcc ttctatgctc 240
catgtaaatc tctcacgcaa ctcttttgat tccttgggaa ggtacgcaa aaataatcct 300
caattcgctg atttcggagt tagatttgag ttcaaagtc ttcaaaggat cttttcctat 360
tattccaacc ttaagtcaac atcaatgggc tgcaatcaaa taaactaatt cacngg 416

<210> 10251
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-C8

<400> 10251

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cggcctcaag gcacagactt ggcttcttca tctgtgaatg aaactgaggt tcctagagag 120
tactacgagg ttgcggatga ggaagaacct cttctccaat ctgttgagtg tcgtatttgc 180
caagaggaag atagtactaa gaaccttgaa gctccttggt cttgtaattg tagtttaaag 240
tatgctcacc gcaagtgtgt tcagcggttg tgtaatgaga aaggcgacat aacctgtgaa 300
atatgtcacc aagccttatc aacatggata cactgcacct ccgcctctc ctctgatga 360
aactataatt cacatcgggtg acgattggga naacgggggt tcggttggnct ct 412

<210> 10252
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D1

<400> 10252

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cgtgggagac tatatggcct cccattgctc catgagagta atcctcctca gattctccaa 120
tggcgtctct tccagatcca ttctcaactc cactaaccat cgtcttctta ngctttacca 180
tgaccaacac tctctcgtct ctttctctcaa tctctcccca cactactant tcgcatttca 240
cggctgcgtc acaacaatca gatgaccaga actgcttccg caagcttcan actcagnnaa 300
ggatttcgat ttcaactcct ctttgtatgg gtcgtcgttc ttccaagatc gctgtccaaa 360
gggcnctcaa anatttcaaa ggaaaggcga agctatactg tanaaatttg gnangggngng 420
ttngtacctt gcntgttcaa agaaangggg ggtccaaaaa ccaagtttta aaattacgan 480
ctccgggcta actanttctt ggagaa 506
  
```

<210> 10253
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D10

<400> 10253

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acgacagcga tgatgagatc cggtatattg aaaggttgaa atataagaga gtctctgtgt 120
gtaatgagga tactgagtct ggaaggaagc agttgacgcc atctgggatt acaaatggag 180
aaaattccgg caagaagaaa gctgtgtccg aacaggcgct cgaagacatg gattgtgcgg 240
aggaaattga aacggcgtct gatgaaaaag agattggtaa tgataataag agggaatcaa 300
ccatgactag tcgtcagcga gcccttgctt ctggcagatc cagcgcgatt gatttttcag 360
atggattacc tcctacatct aagaagtaag attttaatcc ttgctactg ccacataaat 420
cttagcaatt aagggtcata anggt 445
  
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<210> 10254
 <211> 417

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-D11

<400> 10254

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cgattgtctc cgacgaagag aagctgacac ttctgggttt cgtcaatttc tactgggata 120
aagctctcta ctaccttttt gctcagagaa aatgggttga ttttcgagga tgataaaggc 180
ttcaggttgt tgtagagggtg tttttgccag cttgggtgct ggtcatggat tttatcgctt 240
cttgttatatt attatctggt tatcaagctt ccaagatgta gctgcgcatg ataagcttaa 300
tgagcatagt agcagatcca caacctctga attggcaaatt ccacctggta ttgggagtat 360
ctggtcccat tcaagtatca ncgtccgtaa tccccaaata tgcattccccg gtccaac 417

<210> 10255
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-D5

<400> 10255

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caagcacaac agcaagcctg gctccagaag agaagaacgg agaacatggc tcgtaaatca 180
gctggagagg agcctttacc agaagaggat ctttcaaacc caatctttaa ggcatccct 240
gaaaccatcc taaggctaga ngagtccct catcaacaaa accaaagttc ncaanactcc 300
tggtggccaa aatcaatngg agttggctng gcaaaaattt cangaagggc ttaacctnga 360
caaaagcaat tgcacgaacc aactgatggn anaagaacaa cccaagnntt tggttttttg 420
agtcnagaaa anntggaaag aacttggng ggaanaatgg gttcctaaat ttggtttttc 480
cgngggatgt ttttgttttt 500

<210> 10256
<211> 408

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D6
 <400> 10256

acgcgtccga gaaaaaatgt cagccatgga agcactgatt ctccagctgc atgaaatcgg 60
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 ccttcgtctc atcgtctctt atccatccct cttaacacag atctctcaaa ctctcatctc 180
 ttctcttcca ccttctgcaa ccttcgacgt cgtctgtggt gttccttaca ctgctctccc 240
 tatcgccact gttgtctctg tttccaatgg tatccctatg cttatgcggc gtaaggagat 300
 taaagactat ggaacatcta aagctattga aggaatcttc gaaaaggatc aaacttgttt 360
 gataattgaa ngatcttgta actagtgggt gcttctgttc tcgaaacn 408

<210> 10257
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D7
 <400> 10257

tttacgccgn ccagtaccga gtccaaaaat tcccgggtcg acccacgcgt ccngggacgc 60
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 tcgaagatga aggcggcaac aaggccgatc cacgccgtga cgacatgggt tcgtcggcaa 180
 ccaccaaagg ttaaagggtt tctcgggtgt gtctccgcca tgactgccct cgttttggtg 240
 agagtgattg ttcatgacca cgacaatctt ttgtcgtctg ctgaagctgt tcattccctt 300
 ggaatctccc gtcccttaat cctataaaac tcaccaaagg aagagggact gtgcctggga 360
 ttaanctcct caaagggtcaa caaagaagct aaacaagctc ctgggttttt ggccgggtga 420
 agaactggta ttggtagttt ttggttgnat gggaantttg aanaattcaa caacgtttac 480
 ntggacncgg ctacaattgg ggggactaca cttttt 515

<210> 10258
 <211> 413

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-D9
 <400> 10258

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cccgagattt ggaagaaagg tcctgcattt gggatgcctg gtgttcatgt tgacggtatg  120
gatgtcttga aggtcagga agtcgctaaa gaagctgtca ctagagctag aagaggagaa  180
ggccaacct tgggtgaatg tgagacttat agattcagag gacactcctt ggctgatccc  240
gatgagctcc gtgatgctgc tgagaaagcc aaatacgcgg ctagagaccc aatcgagca  300
ttgaagaagt atttgataga gaacaagctt gcaaaggaag cagagctaaa gtcaatagag  360
aaaaagatag acgagttggt ggangaagcg gttaatttgc aaaacccaan tcc          413
  
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<210> 10259
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-E1
 <400> 10259

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ccgtataatc tgataataaa gtaagatgtc tgctactccg gaagaagaca agaagcctga  120
ccaaggagct cacatcaatc tcaaagtcaa gggacaggat ggtaatgaag tcttcttttag  180
gatcaagaga agcactcagc tcaaaaaact gatgaatgct tactgtgacc gtcagtctgt  240
ggatttcaac tcaattgctt tcttggttga tggctgctgt cttcgtgccg agcagactcc  300
agatgagctt gaaatggaag atggagatga gatcgaatnc aatgcttcat canactgggt  360
tgggtggtgct aaaaatggcc tgaagctctt ctgcttttan tggcgggtta ttttaaangg  420
ttttcc                                           426
  
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<210> 10260
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-B9

<400> 10260

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tgtcaaaccc tgctctcttt tctccaagtg ctctcatggt gcttccgctc ttccggcgcg 120
ctgcgatcgc ccggacttcc tcgcttctca gagctcgtct tttcgctcct gcttccgaat 180
tccattctcg ctttttctaata ggactataacc acttggacga caaaattagt agcagtaatg 240
gtgtgaggtc tgcctctata gacttgatta caagaatgga tgataagttc tccaaagccc 300
attctgcgat ttggcgtgca aaacttttca tctacaggac ccataacaca aacggttctt 360
gcaatgccaa ccttgtctcc taanaatgag tcatnggaaa tgttgtaaaa atggntgaaa 420
aaaaga 426

<210> 10261
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-G11

<400> 10261

ttactcactc tctctctctc tctaaaaaca gagctcaaca ataatgatcc actaaaaaag 60
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ggattagcaa gcgttgatcc ttggtcattc cgtcaaaact tcaacatcga ttcgtggcta 180
ctctctgatt ccttctcaca cgacagtgat atactcgcta aagctcttca cagatccatc 240
tccaanttcc ancgatcat cccctctttc tccttcatct ttcttcgact cttcaaccgc 300
cgccgtcgat ttttctctc ctcaaactct ctccaacgtc tctttcggnt cagattcaag 360
aantccnccg ncgctagtgc tcttgggnct cngggaaach aaaaacgttg gtcct 415

<210> 10262
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G5

<400> 10262

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aggtcagcga atccggcgac gaatatccgc cactagtaac tctagctcag gtaaggattt 120
gtgtccatgg cagctttgca aacgcttcgt gaatggatcg gtatccagca gttcccacct 180
gctactcaat ctaaattgct cgagatcctt gggaagtata aagaagagga tgtgagctcg 240
ctaacgggtcc ttgtaatggg gaaaggtggg gttggaaagt catcaactgt gaattcagtt 300
ataggcgaag aaagctgctg cagttagtac tttccagtct gaaggactga ggccacctt 360
gggtctctcg cacaaagatc gggatttaca ttgaatatca tccgacactc ctggtcctaa 420
tgaaggggaag gtatgttgaa tggttcaanc caa 453

<210> 10263

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G9

<400> 10263

ctctcgagac tcgtgtatgt tgatttacgg tttgttcaag caaagagaat gatgaatcta 60
ggatctcttt cgttgagtac gagcaagtcg agtaagccaa tggttagcat cagcttttgg 120
ataccgtatt tcactcactg gggagagagc ctgctgggtct gtggctcggc tcctggactt 180
ggttccggga atgtgaaaaa aggtttgctg ctaaagccat cccagcaaga tgatcagctc 240
atctggagtg gctctgtctc ggttccacct gggtttagct ctgactattg ttactatgtg 300
gtggatgact cgaagagtgt gttaagggtc ggagtttggg atgaaacgaa aacttgtggg 360
gcctgagaca ttgaccggtg gagaatctgt tcactctcgt gatcccng 408

<210> 10264

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H1

<400> 10264

attgtagaaa gtgcaatcaa tataaaccgc ctcgttctca ccattgttca gtctgtggaa 60

gatgcatact aaagatggac catcactgtg tttgggtggt gaattgtgtt ggtgcaaata 120

actacaaatc atttctccta ttcttgTTTT acacatttct tgagacaacg gtgggtgcag 180

tatcactatt gccaatTTTc ctcgtattct tcagcgatgg agatggtgat ataaccgtat 240

caccaggaag cctagcagcc agctttgttg catttgatt gaacatanca tttgccctaa 300

gtgtcctaag gcttccctaa taatgcacat aatgttggtc gctcgtaaca acacaactat 360

tgaggcgtnt ganaaacata cagttaactg ggcaatacaa cgtttgggcc gtaagacaaa 420

atttn 425

<210> 10265

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H5

<400> 10265

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gcagnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

acaaacgcaa actcgccgcc accacggcag cgaatgcagc cgcttctgaa gatcacgccc 180

ctccttcttc ctctttccct ccttctcct tctctgccga tactcgcgan ggggctttaa 240

cctccaacga tgaactcgag agcatctccg ctcgcgggcg cgatacagat tcagatcctg 300

atgaatcaga ggatatagtc gtggatgatg acgaggacga atttgctcct gaacaggacc 360

aaggactctt cnatccgcac attcaaccgg ggggctcgag tccattccaa gctctggagt 420

caaagggtcn aag 433

<210> 10266

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H6

<400> 10266

acgcgtccga agacagtcaa aaaatctctt tttgtcttct caaattttaa cctcaccttt 60

aatatttctc cttacttttg aagctgtaat aatattcttg aatctattcc tttctttctc 120

tttctcatgt ttaatcgggtg aaggctttac tctgtttctt tcatcatgtt tcaatcaaaa 180

gccttaactt tttcttttagc tctttccatt acaagagacc tctagcttca tactttttat 240

aaaaattctc tctttttctc agtttaatcc tcaaagaaat gggttcaaag attggtatca 300

aatccggtgg gaggttagct tcaanggaga ctcaacaaac gttgggacgg catggaaccg 360

acaaatccca cgaatcatgg ccgttgctgg aatcatgtca aacatcgata atgactctaa 420

agacactgat cnggtctcct aaaagatngt atcat 455

<210> 10267

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H7

<400> 10267

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gagctgttgc taaacgtctt agcttcaactg gatctgggtga aggtaatggg ggtttttgga 120

atcgtgggtat ctccgcttgt gctgtttgctg acggagctgc tccgattttt aggaataagc 180

ctcttgtggg tattgggtgg ggtgattcag ctatggagga agcgaatttt ctgactaagt 240

atggatctaa ggtttatatt attcatagga gggatacgtt tagggcgtct aagattatgc 300

agcanagagc tttgtctaac cctaagattg aagtgatttg gaactccgcc gtgggtgang 360

ctatgggtgat gaaaatggac gtgtccttgg aggattgaaa gggaanaatg ttgtta 416

<210> 10268

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-058-Q1-E1-H9

<400> 10268

aaaatgacag aactcaaag gatagtatt tcattctcac taacactctt gctaagctta 60

gcagttgaag gagcctttaa cataaaccag aaatggtctg gtggaagtca ttttggttac 120
gagggcgggt tctgttttcc cggctctctgc attggaggat ctggtggttag tagagtccat 180
tatggcaggg accattacgg tgggtggaagt caatatagag gtggtattgg ttacagagag 240
accatgtact gcaaaccgtt gacttgttat ggtggctcat gtgatgcact ccatttgcac 300
ttagacaaaag ggttatatga atctctcata cgcaatacta agacagcgaa acaatcgctc 360
actgttgatt tcaacatgcc aagagacttg aaacacaatg tcatcaaaca 410

<210> 10269
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-A12
<400> 10269

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tttttctctc ctctcttgat taatgcaaaa ccaaaaagag tcaactctaca tatccctctt 120
gtgcataatg gtgcaaactt ttatgacagc aaagttgttt ctcttccact ctcgtcaccc 180
cactcccagc gagggctagc gttcatggcc gaaattcatt ttggctcccc tcaaaagaaa 240
caatttcttc acatggatac gggtagcagc ctacatgga ctcaatgctt cccttgctcc 300
gactgctatg ccagaagat ttatccaaaa taccgaccag cagcttcaat aacatatcgc 360
gatgcgatgt gtgaagattc ccatccaaag tccaatccgc attntgcatt tgatcctttg 420
ncgaga 426

<210> 10270
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-059-Q1-E1-A5
<400> 10270

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ctcgggaaga gaatgtgtac ttagccaaagt tagctgagca agctgaacgt tatgaggaaa 120

tggttgagtt catggagaaa gttgcaaaga ctgttgacac cgatgagctt actgtcgaag 180
 agagaaacct cttgtctgtt gcttacaaga acgtcattgg tgctaggaga gcttcctgga 240
 ggatcatatc ttccattgaa cagaaggaag aaagcagagg aaacgatgat catgtttcca 300
 ttatcaagga ctacagagga aagatcgaaa ctgaactcag caaaatctgt gatggaatac 360
 tcaatcttct gggattctca ccttggtccc actgcattct tggccgaatc caaagtcctt 420
 taactcaaaa tgaa 434

<210> 10271
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-A7

<400> 10271
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 aagtctcgag ctccagagat tggaaaattt gctacatcta ttggctactc agtagtcaga 120
 aaacctgggg atcatcctcc tttctccaaa attatacatt cgtcttcaca gcctaaggag 180
 cgacaaggaa agggaatctt acaaacgcca tttgccagtg tgggatcctt gacaagtttt 240
 cagcttttga gggaattggg gaggctcaaa ttaccggtga tggcantgtt tggtgacaaa 300
 ctcccttcan atggctacac tccttgaaag ctttggtctg ctgagatatg tnaagcctgg 360
 aagagctcca atgttcaagc atgcctaatt tgttgctctg ttgctcccta aatggg 416

<210> 10272
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-B10

<400> 10272
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 tttgttctc ccatgcaaaa ctctgttccc gccattacct ttctcatggc tgctcttctc 120
 aggattgaga aagtaagaat aaacagaaga gacggtatct ccaaaatctt aggaacagct 180

ctttgtgtcg ccggagcttc cgtcatcacc ctctataaag gtccaaccat ctacactccg 240
gctagccacc tccacgctca tctactcacc acaaactccg ccgtcttagc gccgctagga 300
aacgccgcgc ctaaaaactg ggacccttgg ttgcatctac ctaatcggtc actgtctctc 360
gtggtcaggc tggcttgttt tccaaagctc cggttctaaa tcctaanc 408

<210> 10273
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-059-Q1-E1-B3

<400> 10273

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnntcttt gtggccctct ttatctcggc cgtgttagtg agctcagtct 180
ccgcggctac aatggagtct ccagcaccat caccaggtgc ttcctctgcc tccaccgtag 240
ctttccgggt ggttggtcc attgttgctg catcactctc cgcttcttg gctcttctct 300
tgcagtagaa agacaagagt cctcaaaata tgagaaggag atatataaca aaactctttt 360
tttgttctga tttgttcct tagaatctat ggatgacana taaccattt tgatgtanaa 420
tccccattgg gtaanttatt aactaatat ataatggagt ntntgataat nagtaagcac 480
tattt 485

<210> 10274
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-G10

<400> 10274

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ggaggagggt gtgaaagtct tcacggtggc agatctgaag aaagcgacta atgatttcgg 120
aaaccagatg gaactaggag agagcttggg atacatcaat cccaaaacgt tatctccggc 180

caagaaaggt gttggcatgg ccgtcgcggt caagaaaatt tacttagcca atgaacaagc 240
 ttttcaagat tggcttggtg acgtanagtt tctacnacat aactctcatc caagcttggt 300
 gaagctaatt ggctactggt atgatcgtgg atatgttggt tattgtttct gaataactttc 360
 caaatggaag cttangaagt tacatcagta gagatagtcc gtccaanag 409

<210> 10275
 <211> 212
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-B5
 <400> 10275

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 gtatcaatcc taccatgggt cttcaggagt acctcctcat cgtcttcaac aagctcagat 120
 atatccatag atttgtattt gtctgtacga aagaagtcta tgatgtaaga gttccacatg 180
 aagaagtga ttacagangn aaaaaaaaaa gg 212

<210> 10276
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-059-Q1-E1-B7
 <400> 10276

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 acgcagatga gctgataaag acggctaagt acattgccac accggggaaa gggcattttg 120
 gcagcagacg anagcacggg aactattggg aaacgattcg ccaagcatca atgttgagaa 180
 cattgagtcc aaccgccaag ctctccgtga gctcctcttc acgtcncctg ggcactttcc 240
 ttgccctctc cgggtgttat ccctcttcga ggaaaccctc taccaagaaa aaacaacggg 300
 atgggcaaaa ccctttcgnt tgagctcctc aatgggaaaa cgggagttaa tccctgggaa 360
 tcaaaagttg gacaaagggt tgtnggg 387

<210> 10277

<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-E10

<400> 10277

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gattcaacca tggctaattgc agcatcagga atggcaagtc catgatgact gcaagctgaa 120
atztatggaa ttgaagacga aaaggacaca ccgtttcatc atttacaaga ttgaggagct 180
gcagaaacaa gtgattgttg agaaaatcgg tgaaccgggt caaaccctatg aggaccttgc 240
tgcaagtctt ccaagctgat gaatgccgt atgccatttt cgattttgat tttgtcaagt 300
tctgaggggtg tccaaggag caggattttt ttcgtggcat ggtctccgga cacagcaang 360
agtgagaagc aagatgatct atgcgaagct ccaaaggaca aggttcaaga gagaa 415

<210> 10278
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-E11

<400> 10278

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agagagcaag agagttaaga gctgaacgag agctcctaaa ccctaaacct aaccaccaag 180
acaacatctt gcaatattac agcgaaccca ctantttcgg tttctttcag tttctaccta 240
taaactctca aacatcttcg tcacagcagc tcctatccct ctcttatgc tcacactcca 300
cctctgaatc cattgaaaag ccaagctttt gtcatcagtg gccaaataaa gatgacaaag 360
aagatgggtg ggattgatcg atacgacgat gttgacacgt ctctgcatct c 411

<210> 10279
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-E2

<400> 10279

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gactccatat aaccggtcag aacaatatgc cggaggagtt ctaatttacc agagccaagg 120
tgatgacaca ctacaagttt ggtcagaccg ggaccgttcg atcgaaaaca aggacatagt 180
actgtgggtac aactaggggt tccatcacgt accttgtcaa gaagattatc cagttatgcc 240
aaccggttgcg gctagctttg aacttaaacc agcaaatttc tttgaatcca atccgattct 300
tgggtctgct cctttcttcg aaaaagactt acccggctcg tacaccattt gtttcacct 360
gaccggttct gttccgacta atactccaat agtatacaag ttgagaaaga ttaaantatc 420
cggggtgttac caaacacctg gttggaagnt natttgcccg gttttggcaa na 472

<210> 10280
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-E3

<400> 10280

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ggaaattttt ctccatatta caaaagaact aaagaagatg gatcagtcac catcaacgtt 120
gctcataaac cagagaaagt catcatcgtc tccgactagg atcccaccta agcagaagag 180
gaagtcaacg actacgcaca aaccatcaa agtccgttac atatcaaadc cgatgagagt 240
cgagacttgt ccttctaagt tcagagagct tggtcangaa ctcaccgggc aagacgncgc 300
tgatctaacc accgtcgccc aacaactttt aacggccgta nttntccaac ggttccgtn 360
tgagtccgga naatgaacnt agaagccgnt tgggatgggn aaaggtccgt tggagaagta 420
ttattcaccg ttggatggag gaaantgttt naatggcncc tcaanatgtc ggcaaggtct 480
ttccggtttt ttenc 495

<210> 10281
<211> 431
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E6

<400> 10281

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gtctgtcatt gtctatggag acagagaaaa gccagcattg attacttata ctgatttagc 120
cctaaaccat atgtcatgct tccaagggtt attcttctgt cctgaagcag cttcattgct 180
gcttcataac ttctgcattt accatatcag tccacctggg catgagttag gagctgctcc 240
aatttgtcct aatgattcag tcccttctgc tgaaaacttg gcagatcaga tccttgaagt 300
tctcaacttt ttcggccttg gtgttgatgat gtgtatggga gtgactgcag gtgcttatat 360
cctcacctta ttcgcgatga aacatagaga acgggttccct ggtttgatcc ntgtctcaac 420
gttaagcaaa g 431

<210> 10282

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E7

<400> 10282

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accactcggg ggtcaattct tggtgttcaa cgaaacttcc ttcgccggaa acacttacct 120
ctgtctccct caccgtgtct cttgtccaac acggccagga caaacctccg atcacaatca 180
cacggcgttg ttctcaccgt caaggatcgt aatcacggtt atcgacgcga tcaccggttt 240
gatcctaata agtgtaacga ttcgtaaga tgaataaaga agaaagaaac aagaaatctc 300
ccgcctggg aaaactaaac ggccttcaag aaaactaaga attcaaactc gaaagaacgt 360
tcctccnaat tgtcttaaag aagaggaaca taatccggta aanggcggan ctggaattgt 420
cnancgtggg nttaatgcca aacaacgtaa acgtcgcgat taaa 464

<210> 10283

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E8

<400> 10283

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tcttgacgcy acaaacagac cgtttgatct tgatgaagct atcattagga ggtttgagag 180
aagaataatg gtgggacttc cttcgattga gagcagagag aagatcttga gaactttgtt 240
gtcgaaagag aaaacagaga atcttgattt ccatgagctt gggcagataa cagaaggcta 300
cagtggaaagt gatctcaaga acttatgcat cacagctgct tatagaccag ttagagagct 360
gattcagcaa gaaaagattg aaaagtnagg agaaggaaga aagagaagaa agaagcaagg 420
aaaaan 425

<210> 10284

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E9

<400> 10284

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cttacagctg caccgaaaat gacaagaatg ccctccttca aatcaagaaa gcacttggca 120
atcctccctt tctatcctcc tggaaccccc gaaccgactg ttgtaccggc tggaccggcg 180
tcgaatgcac taaccgtcgc gttaccgggc tcagcggtac ctccggcgaa gtctccgggc 240
aagatctcgt accagatcgg cgacctcggt gacctccgta cactagattt cagctacctg 300
ccacacctca ccggaaacat cncacgcagc atcacnaaac tcaagaacct caatactctc 360
tacttgaagc anactaagtc tctccggtna gattcctgat tacatcaagn gag 413

<210> 10285

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-F1

<400> 10285

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cacctgatgg tagcctttgc ccctctgctg ttgatattaa acggaagatg gaaatgttac 120
cggttaagca agaaggttac tcagatggtc cagccccgct aaaacttgga ataaggaaga 180
atcgtaatgg catttgggaa gtttagcaaac ctaatacaaa tggattatct tccaagtaat 240
aggcaagaaa aggttgggta tcaggagaag aatattatac caaatgagta ntactgctac 300
tggaantngt anggatggtg atgatgcaag ccgttaacca aggattccna ntggnacttt 360
gaccttgnta nccaacggca atggaacctt gattccaatt tcaatgaatg gttgaattca 420
nggttaaaan ctttcctga aagnaaacca atcc 454

<210> 10286

<211> 507

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-F3

<400> 10286

cgttagccgn ccgtaggcct ccanaattcc anggtcgacc cagcggtccg cccacgcgtc 60
cgattcttta tacgtataat aacatccctt gtgatcaaac aagtaaacca ttcaaaagat 120
gaaaggaaga attttgattt tgagtttgct cataatgagt ctggatcatg cacaagttca 180
agtagaagca aagatctgct gcccttccaa ccaagctaga aatggctata gtgtatgccg 240
tataaggttt tccaaggga ggtgtatgca agtgagtgga tgccaaaact ctgatacatg 300
ccctcgaggt tgggtaaacg ccattctcga aaactcaagt natgctacca aatgagcact 360
gcaaagttaa ggtgtgaaac cttctgtgtg tgggtgccaa tgaacancc ccaanaancn 420
ggangnaann tgaaatttgt aaanggnct ttcggaacaa atgttccaaa ggaatgttcc 480
aattttccgg taccaaanag ccaagtt 507

<210> 10287

<211> 408

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-F5
 <400> 10287
 acgcgtccga aaatcgataa aaaccaaaaa ggaagaaaaa caacaacagg gcttctagta 60
 gtagtagtag tagtaccact catctcaatt tcaacctcct tcatattcct ttcttttttt 120
 ttgcctttct tcttaattaa aatcttggtt ttttttggtg taaatgaaaa gaaaaaaaaa 180
 atcgaaactt gaggattcta cagcgaatcg cgtgcttata tccgcaggct ggttgcatga 240
 ttatcatatc cccagatctt tttttttgag gaaccacttg tgttgagaag gaatcganag 300
 aacctttacg aggaagcttt gactcgaaat ctctctgaag aagaagagga gaagacgaaa 360
 ctgttggtct agtttccgac gccgggaacg tcngaactcc ggtgaaca 408

<210> 10288
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-058-Q1-E1-F7
 <400> 10288
 cttncagccg ccggtaacgg tccaaaattc ccgggtcgac ccacgcgtcc ggcgcggcgg 60
 agccatgggt ctcaagactg agctttgccg attcagtggc cagaaaattt accctggtag 120
 agggatcaga tttatccgat cggactctca ggtgtttttg tttctcaact ccaaatgtaa 180
 gaggtatttc cacaacaagt tgaagccatc taagctttgc tggactgcta tgtaccgaaa 240
 gcagcacaag aaggacgcag cacaagaggc tgtgaagaga aggagacgtg caactaagaa 300
 gccttactca aggtccattg tcggtgctac tttggagggt attcanaaag aaaccaacaa 360
 nanaaacctt gaaattccgt gatgccgcct anaagaanct gccctacgtt aagantcaag 420
 ggagaagaat caagaaanac caaggacnag aagaaaggca aagaangtcc aantatgcat 480
 caaagcaaca aaaattcnca ag 502

<210> 10289
 <211> 432
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-D8

<400> 10289

gactctaaag acaactgatct gtctcctaaa gatcgtatca tcattgtagc caatgaatta 60
cctatacgag ctcagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn aaggttggaa cttttcttgg gatgagaatt cacttcttct ccaattgaaa 180
gatgggttag gagatgaagc tattgaagtt atctatgttg gttgtttgaa agaagagatt 240
cctcttaatg agcaagaaga agtgtatcag attcttcttg agagtttcaa gtgtgtgcct 300
acgtttttgc ctttggattt gtacactaga tactaccatg gattctgtaa gcaacagctt 360
tggcctttgt ttcattacat gttgccactt tctcctgac ntggnagtaa ggttgataag 420
gactttgtgg ca 432

<210> 10290

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-F8

<400> 10290

ctgtncagcc gcccggtaac ggtccaaaat tcccgggtcg acccacgcgt ccggagattg 60
atctcaaaac caaagctctc gtgctcttgt cgttgatggt ggttggttag actttgtata 120
caatgatgaa aagtttggcg aatgctgttg gagcgaagac ggcgagggct tgcgacagct 180
gcgtaagag acgtgcacgg tggactgcg cgcccgacga tgcttttctt tgccagtctt 240
gcgacagttt ggtccattca gcaaaccctc ttgctcgccg ccacgagaga gtccgtttga 300
agacggctag cccggcggtc gtaaagcata gcaaccactc atcagcttct cctccacatg 360
aggtcgccac gtggcatcac gggtttactc gtaaagctcg aacgccacgt ggctctggta 420
agaaaaacaa ttcgtcgata tttcatgact tggttcctga tattaagtaa tgaggatnag 480
acagacaac 489

<210> 10291

<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-058-Q1-E1-G1

<400> 10291

aactgttacc ctgccgtagg cgtccaaaat tcccgggtcg acccacgcgt cggcgagct 60
gagttcgtgg tctttctaca gagccggaat cgccgagttc atagccacct tctgttttct 120
atacataaca gtattgacag tgatgggagt gaagagagca ccaaacatgt gtgcctctgt 180
tggaatccaa ggcattgctt gggctttcgg tggcatgata tttgcccttg tctactgtac 240
tgctggaatc tctggtgggc acataaaccc agcggtgaca tttggtctgt tcttggtctg 300
taagctgtca ttgacgaaag ctgtcnttta catcgtgatg caatgtctcg gagncatctg 360
cggcgccgga gttgtcaaaa gcttcagcc aaatccctta acaaactctc cggcggagga 420
gccaacacaa tcgctcacgg ggacactaaa ggctcngggg ttgggtgccg naaaaaatcc 480
ggaaccttcg ncctt 495

<210> 10292
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-B7

<400> 10292

cctttacgcn ggccagtacc ggtccanaaa ttcccgggtc gaccacgcg tccgnagtga 60
gcancancaa ctccatctcc ggagctctag attcagatan gaacaatggc gattccgatg 120
cctactcgcc agctattcat cgacggcgaa tggagagaac ccatcttgaa gaagcgaatc 180
ccgatcgta atccagctac tgaagaggtc attggtgata ttctgcagc tacaacggag 240
gacgtggatg ttgctgtcaa cgctgctcga agagcattat caaggaataa agggaaatat 300
tgggccaaag gcacctggag ctgttcgtgc taagtattta cgtgctattg ctgctaagg 360
aatganaga aagacggatc tggcaaagct changcgctt gattgtggta aaccattgga 420
tgaagcagta tgggatatgg atgatgttgc tggatgtttt gaattttatg ctgaccttgc 480

<210> 10293
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C12

<400> 10293

ttcccgggtc naccacgcg tccgaaagt tcgttcaagt ctgatccgat gttctcctct 60
agctttctca gattgattct tttactctgt ctgctctctt cttccttctc ctccaccact 120
tcttctcca actccactgc cgccgatcaa actctccggc cgcaagaaga gctccagaag 180
ctaactga ttagacaaga actcgacaaa atcaacaagc cggctgtgaa aactattcag 240
agctcagatg gagataaaat agattgtgtt tcaactcatc agcaaccaag ctttcgatca 300
tcctctctta caaggacaaa aaccattgga tccgcctgag ataccaaaag gatacagcga 360
agatgatgga tcatatgaaa actcccagct ttgggagttt atccgggtga gtcttgctcn 420
ggaangtacg attccggatt aggaggacaa ccg 453

<210> 10294
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C2

<400> 10294

aactgttacg cctgccctta ccgggccaaa attcccggga cgacccacgc gtccgagaat 60
aaagtgacga ggaagaagat gagtangaag aacgataccg ccaccgtatc tgctcgtatc 120
gccgccatta tcgccgccaa gaaacgtcgc aagtctggca aacgcagcat gtgtcaggga 180
atgtgtttta ctcttctac acttgaagat ccattcaatg aaaggcaagg taaagctgat 240
attactnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccatct 300
cctatgtcta ttgaaggtgt tgagaagatg gatggtccac caaagtttct gatgttaaac 360
ttgaatgaga ttgagagctc atttcgtaaa ngatattaca tacagtgaac aacatgataa 420

gtctttgttt actaagtagt tgggggattg agttctggaa atgttactcc tcnggg 476

<210> 10295
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C4

<400> 10295

actgttacgc ctgcccttta ccgggcccac aattcccggg ncgacccacg cgnccgggaa 60
aagctgnca gagaggaaca agaagttcat ggaaaagaaa ctcaacanac tcaagagaga 120
gatggagttg tttggtccgc aagctgttgt cagctaatac cgcgagtatg gagaagataa 180
ggaagacgat tatctatggt ggttggnca tttattacta aaaagctcag ttcgagcagg 240
cacttatgca agagatgctg actgtttgtt ttttaaccgaa aagagcttat tgatgttatc 300
agtgtgttt aaagtgtatg gggctatggt agattctggt tttccgggag catgaaatcg 360
cagcatccga caaagaaaag gtgagtaatt tgggtaccact aagttcctac acacggaatc 420
atccaatctt ctgaagcaga gtattgtggt atttgttcaa atcccagttt tcaactgggcc 480
atcc 484

<210> 10296
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-C6

<400> 10296

aatcaaaac ttttactttt tatttctcct ctctggatct tcctcttcaa agctcaaggc 60
cattaggggt tatctgagct ccaaaatcac cctaattcta gtgtatttct cagcaagcaa 120
gcttcttctt tttttgtcct gggtaactgt gattgttgca ggatcttggt tagaaacaga 180
tcacaagaag atgaatgata actcgggtgt gcggtttga ttatcttcag agatttnaga 240
ttctgtatcc actctgttgc gatgggggtcg tttgcaggcg cttgtgagat tgtggaagag 300
aaggatgatg aagtaagatt gccaaaacat tccgggagat atggtaaata ggttatggga 360

tcatcaagta aggatttggt ggagcgtaag caacgagagt atcaatgggt ccccntgagt 420

<210> 10297
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D10

<400> 10297

atcgnccgt cacggtccan aaattcccgg gtcnaccac gcgtccgaan gacgcgtggg 60
gccaaagaga agcttgtctt gaatcttttag ctacggtttt gaagaataat cctgaagctg 120
tttctgattt tggttgactt gagtctggga agtattttta ttcnctgact gagttaacaa 180
aggatangta tccgangact angctgcttt cttgtctttg cttanttgct atatacaaca 240
cttctccatc ttatttcata aacatgggaa ccaaatacaag ttganaact actctgcttg 300
agcttcntaa tgaccctggt caatctggag atgatgcngc cttgggttta tcctgtctga 360
ttgcnagaaa agaggattta cnacagtta cttacnaggc cgatgcaatc aagaaatatt 420
gttgagatct ttgaagacag gtagngaagc tccagt 456

<210> 10298
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D2

<400> 10298

caaaattcnc ggaacgacc acngnccgc tcgncgtatn tggcttgctt tcaccgctct 60
ctctgctttt tccgtttgtt caacctccaa taaatcctcg gttaataacg gttcctctaa 120
accggtcgaa gaanaagcat ttccacgagc tagtgataaa gttacagaga aagagaanga 180
tggttgtaga gagaaggatt tagagcattt gttgcatctg cttgaagctg gaaatgcnag 240
ttttgagtgg caatctatga tggataagtc tactccgant atgagctatc aagcttggcg 300
tcatgagcct gagatangtc ctgttgttta tccgtagtcg aactgttttt gaggatgtaa 360
caccaagaca ttgttacngg atttccttct gggacgatga ngtttcgacc taaatgggga 420

tactaagcct gccttacttc aaaacnttag agggaattc ct 462

<210> 10299
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D4

<400> 10299

ctgttaccct gccngtaccg gtccaaaatt cccgggncga cccacgcgtc cgggtgaatag 60
aaatatgcgt tattgccaat ggggcgacaa agaaggaaat tggccgagca aaagactaca 120
ttgttaagac attgggactg gagcctggtc agtctgtgga tttaggaact atacacgctg 180
gtgatttcat gagaaggttc tgtccaacc ttgcaatgtc taaccatgcg gtgaaagctg 240
ctcaggaagc tgtgcaaaaa tctgaggaat ttgatataag gaggagtcct atatcaatag 300
cagcagtagt catctatatc ataaccacgc tgtctgatga caagaagact ctcaaagata 360
tatcgcatgc gacaggagta gcagaaggga caataaggaa ttcatacaaa gacttgtatc 420
cacatctgtc aaagatagca ccaagttggt atgcaaaang gaagaagatt tgaaaaaacc 480
tgtcn 485

<210> 10300
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-D6

<400> 10300

tgtggcattt gcaacattca cgagtcataag attcgccttg gctgcaatga atgagctaaa 60
tggtgtgaaa tttgatcctc aaacaggatc aaatctacat atagaactag ctagatcaaa 120
ctctagaaga aaagaaaggc caggaagtgg accttatggt gtgattgata acagaaacaa 180
ggaaatttct aagtctcagg atgaccagag tgatgaaggg gatagcgatc cagatgaggt 240
gcaggaacct ggaaatagcg attctccaaa ggaaaacgat actacaaaaa gcgaagcgga 300
ttctgagcca gatagtaaag caccatctgc taatgggcac ttanagaaag catctgaagg 360

aggttctggt gctcgagctt gttcgacctt gtttatagcc aatctaaggc ctaaantgta 420

<210> 10301
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-E6

<400> 10301

agccttacgc cgcccagtag cggtccaaaa ttcccgggtc gacccaacgc tccnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctccgatcca 120
cgtggtgtgg tcatgggtta ggagacaacc tccgaagggt aaggcttttc tcgccgtggt 180
cactggcatg gcggctttgg ttcttctcag attcattgtt cactgatcag acaatctctt 240
cgttgccgct gaggtctgtc attccatcgg gatctgtgtg ctcatctaca aactcatgaa 300
ggagaagacc tgtgccggat tgtcactgaa atctcaggag cttacggcga tatttttagc 360
tgtaggctg tattgtagca ttgtaatgga atatgatata cataccattc ttgacttggc 420
tactttggga acaactctct ggggttaaata ttaatgattc cgtttcaagt ttaaaanct 479

<210> 10302
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-054-Q1-E1-E8

<400> 10302

cattaaacct tcttccctct aacccaatca aatttgcggc tctttctttt atcttctcgc 60
ctcggtttta gcaaaccctt tagttatctt ctctctcaag caatttttct tttggattag 120
attggtgttt tcttttggtt tgtgtggtga tgatgagaag gcaacgagat gaacaacaat 180
ctagggtttt ctacgatcta tcatctcttg ttttgaatct tctccgttct cctcctatgc 240
cgatttcttt acctgatcat ttccccgatc cgcccgctag aattcgctct ccttttctt 300
cgcacggttt ttcgtcttct tcgccttctt tggetcanat ttctccgtct ggattcgcgt 360
cgttgctggc ntgggtataac cngtgggtcc taat 394

<210> 10303
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-E9

 <400> 10303

 agtcgnccgg cacggtccaa actaccgagg tccaccacg cgcccganct atctctctct 60
 ctctttgaag cagtttggtta cttcttactt ttgtgtttct tcanattctt cagaagcaag 120
 cacaaggcta gggatcnaag gaagcggcga tcaactgatcg tatctcacta cgatcacatt 180
 aanggataga atgtgtgggt tccgctcgac ggaagactat tcgganaaag cgacgttgat 240
 gatgccgtcc gattatcact ctttgatttg ttcaagcacc ggagacaatc aaagactgtt 300
 tggatncgac gaactcncta ncgctttgtc ctccggagttg cttccgcgta ttcgaaaaac 360
 tgaggataat ttctctnta ntgtcancaa catccaaaat cgcttctcag cctttgtagc 420
 cncgcttact ccaaacctac atcgagttcc aaaaagggtgg gancgcccac t 471

<210> 10304
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-F2

 <400> 10304

 ngttaccctg ccttaccggg ccaaaattcc cgggacgacc cacgcgtccg cccacgcgtc 60
 cgcccacgcg tccgtcggct tttatcatct ctgaaaattg ctttatttgg ttgaattcat 120
 tggattgttg atcgaagatt gggttactga ttgatcgaaa gtatggagga agatcgtggg 180
 gaagcgatcg ttttagatat ttcgccggag attaataata ctccggcggt aatgatgaga 240
 gttccacgga ggattcgtga gaggttttg tctgactgta gtaataagaa gacagtatct 300
 tctgttcaag atattgaaga caagcttctt catgcccatc tacgaagaca gcaattttat 360
 cataacgttt cgagaaaggc tcgtgctaaa cctagaagtc cttcacgatc atctgatgaa 420
 gaacttggcc aacgaatcga agcaaagact tctgggctgc tgaacnaaaa a 471

<210> 10305
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-B4

 <400> 10305

 aactgttacg cctgccctta cggggncaaa aattcccggg acgacccacg cgtccgcca 60
 cgcgccggt catgagaaca catggagcta aacaacaacg cactgttatg aaacgaactc 120
 caaaggagca actggagcca gtatatgagg ctttagatac tctaggaaac actaaatgga 180
 agataaacia aaagggtgta agtttggtgg acagaatctg ggctaattga ggtcgcattg 240
 gtggtctggt tgaccgtgaa gatgtacca ttccagaaga gccggaaagg gaagaccaag 300
 aaaaatttaa aaattggaga tgggaatcca aaaaagcaat taagcaaat aatgagagac 360
 attcaciaag gtgtgatata gagctcaaac tcgagggtggc acgtaaaatg aaggatgagg 420
 aaggtttcta ctaccctcac aacgtttgan tttccngggg gcgancaatt tcccctancn 480
 tccanacct taaccaatct cgg 503

<210> 10306
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-F4

 <400> 10306

 acgcgtccgc ccacgcgtcc gaccggatta aaatcggttt gcntaacaac gaccagagcc 60
 gaaacaagcg gtgttgacan anaggagaaa gtagtgattg ttgggggcgg gattggcgga 120
 cttgccactg ccgttgctct tcancggctt ggaatccggg cggtggtggt ggagcaggca 180
 gagtcgcttc ggacaggagg agcatcnctg acgctanca agaattgggtg gcgtgttctt 240
 gacnccatct ccacgngac ctcaactccg aaagcagttt cttgaaatgc aaggggtggt 300
 attgaagaag gaagatggaa gagagcttcg ttctttcaaa tttaagngac aatgatcaaa 360
 nccaagaant tcggggggtn nganaaggcg agtactcct ggnaa 405

<210> 10307
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-F9

 <400> 10307

 aaccagaatt agtggagata aacttgacgc gtcccttctt cattctccgt cttcttcacg 60
 tcaccggaaa aacgacgaat ctcatcgct gagattcttc atcggaatta aacctccgga 120
 ggaattaatc acgtctcaca ttttttcacc atgtcgagtt tggaggagcc gctaagcttt 180
 gacaagttgc caagtatgag cactatggat aggattcaga gattttcttc cgggtgcttgt 240
 cgccccaggg atgatgtcgg tatgggacac cgttggattg aaggaagaga ttgcactacc 300
 tctaacagtt gcattgatga tgataaaagc tttgctaaag agtcattccc gtggagaagg 360
 catactcggg aaattatctg aaggagagca taggttnagg aatatttcgt ttgctg 416

<210> 10308
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-G7

 <400> 10308

 aantgtttac gccgcccggn accggtccaa naattcccgg gtcgaccac gcgtccgcac 60
 cctgttgctt cttcgaagaa gcaaccttct ctgttagatg aacactttga agctgtatca 120
 gatgatgacg agaacagtga ttctgatgca tcacagcctt cagatgacga ggccgacgat 180
 ggagacgcaa ctaggccaag caagaaagcg agaactccga agttgtatga agtgaaagat 240
 gagcggcatg ccgcagctta tcacaaccgc acttcactgg ctaaagaaga tagtcttcct 300
 atgggcgagc gtgtcaaggc tatagagaac cggcgtggca actttggagg ctcgaaagat 360
 atcaaattcg gtcttgagg atcacgggga gttttctttc aaggcgaaga gggcatcaa 420
 agtacaaga agatagaaga cgatggagta tgaagatggg caaaggaaaa caaagaagga 480
 ga 482

<210> 10309
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-053-Q1-E2-G8

 <400> 10309

 aaacatcctc tgtttctctt gtccttggtc ctttttccag atcttaaggt tttccacatt 60
 ttatcatctg ggtcctctcc ttaatgattt gaagacactc aattcctatt tgatcgggga 120
 ctagaatttg gattctgttt cagacaaaag tagatttccc tgtctctttc ccgtttgatt 180
 ttcaataaga tgaatccgga ggagcaaaag atggaatctg catcggtatc gggcaagctc 240
 ttcatggcg ggatttcatg ggacacagat gaagaacgac tgcaagagta ttttggcaag 300
 gtatggagat ttggttgaag ctgtgatcat gagagaccgt actagcggac gtgcccgggtg 360
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<210> 10310
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-G9

 <400> 10310

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 ngatgatgac gagaacagtg attctgatgc atcacagcct tcagatgacg aggccgacga 120
 tggagacgca actaggccaa gcaagaaagc gagaactccg aagttgtatg aagtgaaga 180
 tgagcggcat gccgcagctt atcacaaccg cacttcactg gctaaagaag atagtcttcc 240
 tatgggagag cgtgtcaagg ctatagagaa ccggcgtggg caactttgga ggcgcgaaag 300
 atatcanatt cggtcctgga ggatcacggg agttttcttt caaggcnag agggatcatca 360
 aagnacactg aggataggag acgatngag 389

<210> 10311
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-054-Q1-E1-A10

<400> 10313

tatcgcccggt accggtcana attcccgggt ccacccacgc gtccgaactg ttccttcaaa 60
atcatttctt tctcttcttt gattcccaaa gatcacttct ttgtctttga tttttgattt 120
tttttctctc tggcgtgaag gaanaagctt tatttcatgg agtctctgct ctcnangttc 180
ttctcttggt tccgctgctg gtgggttttg ttggaagaan cagaatctaa agtccactc 240
tttatcagaa atccgagttc tgcgttggtga ttcgagtaaa gttgtcncaa aaccgaagtt 300
taggaacaat cttgttaagc ctgatgggtca aggatcttca ttgttggtgt atccaaaaca 360
taagtcnaaa tttccngggt aatgccactg cgggtcagcc ctgaggcttt cgactcgaat 420
agcanacana agtcttttan agactcggtta aatgcctttt an 462

<210> 10314

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A12

<400> 10314

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nnnnnccgtg agattcttca cggctctgta cggattccgt caaccctaca aagtcctttg 120
cgacggcact ttcgtccacc atcttgtcac taatgagatc actcccgccg aactgctgt 180
ctctgaactc ctcgagggtc ccgtcaagct cttcaccacc agatgtgtga ttgcggagtt 240
ggagaaaactg ggtaaagatt ttgcggaatc tctcgaagct gccagacgc ttaatacagc 300
aacatgtgag cagcaggagg caaaaacagc agacgagtgt ttgtcagagg taatanggt 360
acaaaatact gagcatttct tccttggtac tcaagacccc gagtttaagg 410

<210> 10315

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A5

<400> 10315

acgcctgccn tttacgccgn ccngtaccgg tccanaaatt cncgggtcga cccacgcgtc 60

cgncacacgcg tccgaaagaa gacgacgttc ccggcgctga ctcaactctt tctcaactg 120

gattttnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180

nnnnnnnnnn nnntttttcc gatctaggta atccggattc cgatccgtta ccgacgccgg 240

agattgatga gaaagacgtt gtggttatca aggagcgtaa cttcactgat gtgattgaga 300

ataatcaata cgttttgggtt ganttttatg ctccgtgggtg tggtcattgt caagtctctt 360

gctcctgagt atgctgctgc tgccacggag cttaaggaan atgggtgtgt tttggctaag 420

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ccttcctttc ctcg 494

<210> 10316

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A8

<400> 10316

ctctctctct ttcctccatc tctctgtgtt cttcttacag acaccgagaa tggcggatcc 60

tgatctgtct tctcctttga tccaccatca atcctccgat caacctgaag ttgttatctc 120

tatcgccgac gacgacgacg acgagtcagg actcaatctt cttccagccg ttgttgacct 180

tcgtgtttca cgaggttttg agtttgacca tcttaatcct tatggctttc tcagcgagtc 240

agagcctccg gttctcggtc cgacgacggt ggatccattc cggaacaata cacctgnagt 300

tagcggattg tacgaagcga ttaagctcgt gatttgtctt ccgattgctc tgattagact 360

tgttctcttt gctgctaact tagctgttgg ttacttgggc n 401

<210> 10317

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-B11

<400> 10317

ccgggnccac ccacgcgtcc gancacgcgt ccgcggacgc gtgggagttg gcaggtttag 60

agaagaccaa tcagctaata tccaaaggag tggcaattgt cgtcggggga agcaatgata 120

tgatcattac atattttgga agtgggtgctc aacgactcaa aaatgacatc gactcttata 180

ccactatcat tgctgattct gccgccagtt tcgttttgca attgtatgga tatggagcaa 240

gacgtatagg agtgatcgga acaccaccac ttggatgtgt accatcacia agactaaaga 300

aaaagaaaat atgcaatgaa gagctaaact atgcttctca gcttttcaat tctaagctcc 360

tccttatattt gggatcaattg tcaanaaacc cctaccaaat tctacattcg tntatatggg 420

a 421

<210> 10318

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-B12

<400> 10318

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atgtctggaa gaaaccggat tcacagagat atccgagaca gctatcatga tcacgtgat 120

ttacctccgg agagaccttt tctccgaggc cctccattgt tacaacctcc accaccatct 180

ttgttagaag atcttcanat acaggagggt gaaatcagaa ggcaggatgc tgaaatcaga 240

aggcttttga gtgataatca tggactagct gacgaccgaa tggttctgga gagagaactc 300

gttgctgcta aagaagagct tcaccgaatg aatctgatga tttctgatct tcgtgctgag 360

caagatctgc aattgaggga gtttaatgag aaaaaggcat aaacntg 407

<210> 10319

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-053-Q1-E2-F3

<400> 10319

tgctctgcc a ttggtccaca naacaacaga acagtgttag cacttgcaag cagaattggg 60
 atcaactatg gaaaattagg caacaatctt ccttttcctt accaatcaat caacctcacc 120
 aaaaccatta aagcaggcca cgtcaagctc tatgacgccg atccagaaac cctaaagctc 180
 ctctctacga ccaatcttta cgtcaccatc atgggtcccta acaaccagat catctcaata 240
 ggtgctgac aagccgctgc ngataactgg gtcgccacta atgtccttcc ttttcacccc 300
 gcaaaccna atccgattcg tcctcgttgg caacgaggctc ctcagctaca agttctgac 360
 aaagacaagc aaatatgggg ctaatcttgt cncctgcnatg cgtaanagta ntgaactccc 420
 ttagag 426

<210> 10320
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-054-Q1-E1-B3
 <400> 10320

ccgggnccaa aaattcccgg ancgaccac gcgnccgntc ttatctcnnt ctctcatggc 60
 ctcaccacaa gcaaccaa atgtctcttat aatccgatct caaagggttg cttgttgga 120
 gcactgagac atcaaactg gtttcttctt tctttcactc ttaaaaaaaaa ccaatttagc 180
 cctaaaaacc tccttttagt ttaatcccaa aagttcctca aatctcttct attctctctc 240
 tctctccatt aagacccttc acaagcaaaa agctttgagc tttaaagag tttaaggtcc 300
 tgcaaaaact gggtttttcc tcgtgtact tgttcanctt atctcctctg cataaacttc 360
 attganggaa aaagtctttt ttattttgtt gatctctttt aattaagatn cttttgggtt 420
 ttaatttatt aatctcca 438

<210> 10321
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-C5
 <400> 10321

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attgtgctct tctgggtttc atgaacatag aggttatgct gataaatatg agttcttgga 120
atcaaaacca ctttgctctc aagatggctt ctttgattac ctcaactttg tttctgttct 180
gggtgtctggc ttccatctga atgtggcatt cctatgatca gatattctaa aatgggaatc 240
ggcaaaacgg aaatcaattt catgangatt actttcagct gcacctaatc agcaaaacca 300
agtctaagct tatgcattat gttgctactt tgagggaaca gttggaacaa ctctcggaag 360
agaagaccct tgaagggctt cccagaagtt acaaacgcta aggtgaatga ntact 415

<210> 10322
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-C6

<400> 10322

tgcaggcctg agtcaatgca cgagtataat ttaacccac actcgttgta tgctgctgtt 60
tccgttggtc ttgagacaga aactatcatc tctgttttga ataagctatc taagaccaag 120
ctacccgggg agatcattga tttcatccat gcttctactg ctaattatgg gaaagtgaag 180
ttggtattga agaaaaatcg gtattttatt gaatcaccat tcccggaggt gttgaaaagg 240
cttctcagtg atgatgtcat aaatcganca agatttactt ctgagccata ttatggtggt 300
gatggattta cgatcggcaa aacaagtggg gaacttgang caggacctgg ggagttgttg 360
aatgaagcag aattggcann cagcagcaga agagaaagaa actcactcat ttg 414

<210> 10323
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-053-Q1-E2-C8

<400> 10323

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ctactgtcag caatagggtg atgggttctg cagccagaca gcctctcttc tcatttggtg 120
ttattgctga tgttcagtat gctgatattt ctgatggccg ctctttttta ggtgttccta 180

ggtattacag aaacagcatc cttgtccttc aaagagctgt tgaaacttgg aaccaacatg 240
 gtaacctcaa atttgttatt aacatgggtg acattgttga tggcttttgt cccaaagatc 300
 aatccttggc tgccactaag aaactagtcc atgaattcga gaaattcaac ggtcctgtgt 360
 atcatatgat tggtaatcac tgcctctaca atctcccccg cgaagagttg c 411

<210> 10324
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D1
 <400> 10324

ctgttacgcc tgcntgtacc ggcccanaat tcccgaatcg acccagcgt ccgaagaaac 60
 ccaaaagcan aagaagatgg tggcgatata tatgtacaga ggcaaccttc acaaagttcc 120
 cgacgtacct cgccggtgga taatgcctga ccgtaatctc tctttcaagg atttcaaata 180
 tcttcttcat cgccgtaaaa aagccctttc tctctcccc cttaacccta atttgaacct 240
 tagcgtcaag actgagttgg ttactgatca ggagaatcca attcttccat ctgaagcgaa 300
 cggttcttct gggaangcag aagctatttg aggtaaagag agaggagatt tgtgggaatc 360
 gnggttaagg gagatgagaa caacgacaag aggttttgaa ggagctcgat cagacggtgg 420
 gngatcgctc cggggaagag tgacgggatc aaagggaaac cgaatgatgt gccacacaag 480
 tatgc 485

<210> 10325
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D12
 <400> 10325

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 agttcgtggc aaggggttta gtgaggacaa agganagtaa ggagaagatc aatggagagg 120
 atgaagtatt cattggagat attagagata ctgcatcaat tgctcctgct gttgaangga 180

ttgatgcttt ggtcattctt actagcgctg ttccgcaaga tgaagcccg ttttgatcct 240
 agtanaggag gaagacctga gttcttcttt gatgatgggn gcttatccag gaacagggtg 300
 actggattgg tcatgaagaa tcagatatac gctgntaagg gtgc 344

<210> 10326
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D5
 <400> 10326

ngccaacaaa tcaaattttg tcaaaatgga ggccaaaaca ttttttctct tcatgctttt 60
 catcttttct cagtcttggc tctcaacttc taaaaggatc ctaaacaatc cctctgtttt 120
 ctcatcgtct ttgaattttt cgagtggnaa tgcaganaga cttataanat cattcaatct 180
 aatgcctaag tatgacgtta atgtcatccc aaaaggaagc cttgatgctc caacgactca 240
 ttganagaca nattgatttt ctggcgacag ccggttccaa aaacgcttcc gttggtcctt 300
 ctgttcaaga gtttgccac tacgctggtt attacagcct tcctcattca naatcaagcc 360
 aagatgttcn atttcgtttt tgaatcacgg aacnanacaa ccgattcggg tgtga 415

<210> 10327
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-D8
 <400> 10327

aaacagaggt ggcagatggt cttgtcttag agaagacctc atcaccatta ggcgtacttc 60
 tgattgtttt tgaatccga cctgatgcac ttgtacagat agcttcactt gccatccgta 120
 gtggaaatgg tcttctgctg aagggtggaa aggaggcccg gcgatcaa at gctatcttac 180
 acaaggtgat cactgatgca attccagaga ctgttggggg taaactcatt ggacttgtga 240
 cttcaagaga agagattcct gatttgotta ngcttgatga cgttatcgat cttgtgatcc 300
 caanaggaag caacaagctt gttacncaga tancnaggat actacanaaa tccttggtgc 360

tangtcatgc tgatggaatc tgtcatgtan atgtcgacaa gggcttttga gtaccgn 417

<210> 10328
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-053-Q1-E2-D9

<400> 10328

aaataaaaaa tcagtgcgag agatggcgag gtcgagaaga aagtacagga actctagggc 60
taaagttcgc gttgctcttc ctaagaagaa ccctaataatc tttaaaccag ctttcaactt 120
ccctcccaag ctccgcgctc tcatgggaga cgatgtccct gaatgggacg atcaagctag 180
cgttatccag aactacaaat cctttggcgt catctctaac cctaatttgc ttggtatccg 240
agctcgtagc gaccatattg ttcaggatga ttccctcaac gttcctccac ctgtagagcc 300
accgactgat gatcctattg ctaaggagtt ccgagcccat tgattctggg aagcgaactt 360
gaggaagacg atcttaagac agcattgggg aagcaaagaa aagatggaaa gagtg 415

<210> 10329
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-E1

<400> 10329

tgtttacgcc tgcttgtagc ggcccnaat tcccgaagtc gaccacgcn tccgaaacaa 60
ctcactcctt atcttaacga gaagcttaaa cgcacggtgg aagttgttcc ggccaaaaag 120
gatgacggag caccagtggc agctgcagcg gcggtccag ctggcggtga gaagaangac 180
aaagttgctg gtgaaaagaa agagattaaa gatgttgag aaaagaaagt cgacggtggt 240
ggtgagaaga anaaagaagt tgcngttggc ggcggtggag gaggangtgg aggtggagga 300
gacggtggtg ctatggatgt gaagaaatcg gagtataacg gttacggtta tcctccacag 360
ccgatgtatt actaccaga aggacaagnt tacggtcaac aacattacat gatgcaaagg 420
tcaatcatcg gcaatcngtn tgtacaagga accgtattcn aaccaaggga tacctncaac 480

aat

484

<210> 10330
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-E11

<400> 10330

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ccgccaccat gcatatccgg cgccagatct tcgttaaate tcctgactgt caaaaagtcg 120
tcgctctgca attggatcct gcncaatctc tattaactct ttcgggtatc acttccttac 180
tcgaatcgtc gcancgtata tcgttttcgg cttgctcgat tacnctagat gggaaacttt 240
tgaatggctc nacacggatc caagtancga agcttccttc tgnnccatg ctcaagtcct 300
ttccctcgcc tccgtgngag gtggangaga tgggtggggca nncgggaagc gangtctcgc 360
gnttgntatc ncantaggta gngcgggggn aagaaagctt gacaagggtg attcctanat 420
gga 423

<210> 10331
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-E2

<400> 10331

atttccatt ttctgctaatt tttctttcac tttctcggct gattttcctg ggaaaataact 60
ctttatctaa acgtcctaaa acactactca aaaacgantg ttttttttat gttanaactt 120
atatttgtgt gactattttg atataactat tattgcagat ctgtggntct taacacntct 180
ctaatacnta taatgacnan gatctangca tgagaaggaa nagataagaa gctcatgaca 240
agaatctgaa gaaaattaaa tttgtttttc acttatcncc gccantgttg ttctacactg 300
agcttagaca gttgacaccg tgtnanccaa aattcaaaag tttancantg gaaacatact 360
cacgcttttt acctanttat catagctctg atanaagtat gagagtaggc gtttacaang 420

<210> 10332
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E3

<400> 10332

caatcaaaat catgaacatt ttaagttctc gcttggttgg acttgttcca atgctgatca 60
 aaattgatgc tgcgaattcc ttgattgagg attatgccgc ctgccttgag ggacgacttg 120
 aagaggggtga agttgtagag aacagttgtg atgatctang ggtccttatt atgcancttc 180
 ngggtganaa tatcaaccgg cctgccccaa gtatcacaca tttgcntctg aagtttgatc 240
 ttgatgcccc tgtggaaacg gacagttttg cagccgaagt ttcactacag ttgtcngna 300
 ggtcattctt gaaatgctgg agaagcttcc aaaccctgat ataaacttct tactctttga 360
 ntttggtctc cagcttttgt gtgagttgaa cttggatgca ctaactagt n 411

<210> 10333
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-053-Q1-E2-E6

<400> 10333

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 ccagcttgggt tcgaaccaca agaccttgag catgttggag gttccattga acgtgtgctt 120
 gatttcatcc naggatggca tttggctcca acaacttatg gagattatcc acaatcgatg 180
 aangatngtg tcggtcatan attgccaaaa ttcacagaan ctgagaagaa nttgctaaag 240
 ggttctacag attacgtagg aatganntac tanacttcag tgtttgcaan angaaattaa 300
 ncctgaccc t aagagtccga nttggacgac tgattctctt gttgattggg atagcaagga 360
 gtgtggatgg gatacang 378

<210> 10334

<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-E8

<400> 10334

anngannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn ttaagattgt gattaagtgg ttactatat ttaagttact ttgaggagct 120
actaatcatg ggtcatcact catgctgcan ccagcaaaag gtgaagagag ggctttggtc 180
accggaagaa gatnagaagc ttattanata tatcacanct catggctatg gatgttggag 240
tgaagtccct gaaaaagcag ggcttcaaag atgtggaaaa anttgatcat tgcgatggat 300
aaactatctt cgacctgata tcagnagagg aaggttctct ccataagaag agaaattgat 360
cataagcctt canggagttg tgggaaacat gtgggctcat atngc 405

<210> 10335
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-C11

<400> 10335

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tctctgctta tcgacacgat ggttctcgag ggcactatga natgtatcga caactccgag 120
tggatgcgaa acggagatta ctctccgtct aggttacagg cgcaaacgga agctgttaat 180
cttctttgcg gagccaaaac ccagtcgaat ccggagaana cgggtggggat ttgacaatg 240
gctgngcaaa ggagttagag tattgactac ncctanctct gatctnggca aaattctggc 300
ctgtaggcac gggcttgatg tgggaggaga agatcanctt aanngcagct atccagatcg 360
ncccaactag tctcttaagc atcgccaang ac 392

<210> 10336
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-053-Q1-E2-F10

<400> 10336

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gtaatccctg attttctcaa cantaccaca agccattgtc ctctgttgtt ttactttgac 120
aggttttcta ttgaatctta cancgacctg tcgtctgttt atctctcctt ctttaccgag 180
aaggctcaag ttggaacttc cctgatagat cttggaagtg atggaggtcc ggccgtgttt 240
cataattttg cagacaacaa cttcactggg actctcaagt ctataccact tgcacaggag 300
cggttgggaa agcgagtctc ttacatattt tcngctggag ggaatcagtt gtacgggcaa 360
tttccgggaa atctgtttg 379

<210> 10337
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B12

<400> 10337

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atggcaaacg ccaatggaaa agctgcgact agtttaccgg agaaaatctc ggctaaggcg 120
aatccggagg ccgatgatgc tacggagatc gctgggaata tcgtctacca cgccaagtac 180
agtccacatt tctctccatt gaagttcggg cctgancaag ctctctacgc tacngcanag 240
agtntcgcg atcgtnecat tcangctgtg gaatgagact tatgttcatt ttaacaagag 300
ttgatcnaaa acaaacttat tacttgtcaa tggagtatct caagggtcgt gctttgaccc 360
aatgccattt gggaatttga acccttcaag gtccatatcc cgatgcactg cg 412

<210> 10338
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B5

<400> 10338

tgcccnaaa agtccgaaat tcccgggtng ncccacgcgt ccgctantag tgtatatggt 60
 tctccaggaa gcacacctct tcatttagca gctagaagtg gatctataga ttgtgtcaga 120
 aagttgcttg cttgggggtgc tgatcgtctt caacgagacg cttctgggag aataccttat 180
 gtggttgcca tgaagcataa gcatggagca tgtggagcct tacttaatcc gtcctctgca 240
 gagccacttg tttggccatc accattaaag ttcatcagtg agcttaatga cgaggcgaaa 300
 cttctcttag agcaggcttt aatgggaggc taacagggag agagagaaaa ccacctcaa 360
 aggaacagct tattccttac catcacctc tttctctgac acggatgata acatgtccga 420
 ggtgagtgat acgggaactg tgnctgcatt tgcctttgag caagtatgta caattgangt 480
 tgagngactg tggtcacca 499

<210> 10339
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-052-Q1-E2-B9
 <400> 10339

aaacatgacc gtaatgcaat tctgcgagca agatgttgtg aatatgcatt gttaacactt 60
 gaacattggc ctgatgctcc agaaattcaa cgatcagttg atttatatga agatctgatt 120
 agatgctgtg ttgcagatgc tatgagtgag gtgcgggcaa ctgctagaat gtgctacaga 180
 atgtttgcaa aaacttggcc ggatcgttct cgccggttgt tttcgtcctt tgaccctgtc 240
 attcaaaggc taataaatga agaagatggt ggaattcata ggagacacgc ctcaccatct 300
 gtccgtgaga gacattccca gccttcattt tctcagacgt ctgctccttc taacctacct 360
 ggctatggaa catcagctat aagtcgctat ggatagaagt tcaaatttat catccgggag 420

<210> 10340
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E2-C1
 <400> 10340

acgcgtccgc gaaggattag tcctgttgct gcaacagcta tttcaaccat tcagtcgatg 60
ccactctcgg gatttggaag cagcaatggt tcttcgtttt ctagctatga tgatggggtt 120
tcttcgcaga agtctgctga gtctgcaccc cttaaactacc agctctacag ttgggaaaat 180
tttgagccag taggtgggtat gctacctcag ccagaatgga cggcatggga ccaaacagtt 240
gaatactgtg cttttgctta tcancaatac atgggtcatat cgtccttgcg ccctcagtat 300
agatatcctt ggngatgttg ccattgcaca tgcnnnngga gctgtttggc atcgcanaca 360
gctgttttgt ggntacacca accacnantt gaatgtgntt ttggggganc gggagtttcc 420
canattngat acagacnacc nggaaggatc gaaaggaaga aatng 465

<210> 10341
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-C3
<400> 10341

aatcccanat cgaccacgc ctccggaana tctttactat aactgaaaca ctactcgagg 60
ccaagttgct ttagccgtaa tcgtcgtcgt ccctcttccc gatattatct cttctctgtt 120
cttcgatttc gaaaccctaa cctcctctcn ttaattcgcg ttttctggat cgaagatggg 180
ggcggctggg aaatccgacc tttccttgcc caaaactttc gcctgcagtg ccttcgctgc 240
ttgntcggg gaggtatgca caattccatt ggacactgct aaagttaggc ttcagctcca 300
aaagtctgcn cttgctngtg atgttactct gcctaaatat cnaggattgt tgggaactgt 360
tgggtancata ccaaggggaa taagggttac gttcacnang gaaaggtgtt gtacctggaa 420
ttncatcgtc aatgccaan ttggagggtc ntaangattg ggnatgtatg agccggtnaa 480
aaacttg 487

<210> 10342
<211> 482
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-C4

<400> 10342

ccctgtgcta cgccccggan attcccgaat ngacccacgc gtccggcgct ctgctgtcgc 60

gcatgttctc ctccactccg ccgcactcgt cgtgccggtt ttcgaacaag ctgctcgatc 120

ttcgcgaaatc cagcacagcg agccaagagg aagctgcttg agctgatctc cgaggaggat 180

cgagggtctga gaaccagaa agacccaag aagcgagatg aaatcgtgaa cgccatcgaa 240

tccatgacgg ttatcgnngc gcatctccat caccacagac gactctctat ctgccacgtn 300

gcggctcttg tggacgaccg agaangaaca gttgttcatc ataggaaaaa ggnaggcttg 360

tttgggacga ccgccggaga cntttttgca ngttatngat gtgaataana cggattctcn 420

ataacgtcgt cnactttcnc gccngacggg gttttcttcg gtacgctccg aatataat 480

at 482

<210> 10343

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-C9

<400> 10343

aaaatatgta nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccgct ggacgtcgaa 120

acaacctgcc tcgtccaaac ctccagaagac gatgtaaggt caccgcttca cgggctaata 180

ttgaacaaga aggtaacaca gtgaaagaac ccattcagaa tattaaagta aagggataca 240

taacggccca agaagagttt ctggagggca taacttggtc gagaggcttc gatgacattg 300

ctgatatccg cggcagatca ttgctcgtcg agcttattag cgccaagact gaccagcgga 360

ttacggtaga agactacgca caacgtgtat gggccgaagc ccctgatgag aagtacga 418

<210> 10344

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-D6

<400> 10344

acgcgtccgg aaactcaatc caatctcacc aaacnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

natgaaatth ggactcaact cgcctgcagt tagagtagaa ggatttgatt gcttgaaccg 180

tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tannaacaag 240

tgtacataga gattccggaa tcgttcgttc gncaatgcct aacagaggag gatttgatta 300

ctactgctgc aagctattac tactaccatt ttgaaagta nngaatatgt ttttgttttt 360

catcttcncc taaggagaga gagagaggga agaggaacgg aggaagatga aagatcagtt 420

accgtngccg gtcacggttt aactgtttta ttcacggtta ngtgtttg 468

<210> 10345

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E11

<400> 10345

cgacatcaac gtctgacttc gcttctcctc tcacatggct ctacctaacc aacaaaccgt 60

agattatcct agcttcaagc tcgtcatcgt tggatgatgga ggcacaggga aaacgacctt 120

tgtgaagaga catcttactg gggagtthga gaagaagtat gaacctacta ttgggtgtgga 180

ggttcatcct ttggatttct tcacaaactg cggaaagatc cgtttttact gctgggatac 240

tgctggacaa gagaaatthg gtggccntan ggatggatac tacatccatg gtcaatgttg 300

cgataataaa tgtttggcnt cacagcaang gcncagatac annaatgttc cggacatggg 360

cgatcctnga tctttgccgg ggtgttgtga aana 394

<210> 10346

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E12

<400> 10346

agaacaaagc gacgcatccg attttatttg tttgataagt tegtgtcgtc ttcgtctctc 60
taacccaatt ctgtggtgtc tgaagaaagc agaatcaaat ccatgtcntt cangaggact 120
tagcaggcca aatgcaatat ctggaatggg tgttgcagat gagagcaaaa ccacatttct 180
agagcttcaa aggaaaaaaaaa ctcatcgcta tgtggtcntc aagattgatg aatccanana 240
agaanttggt gttgagaaaa ctggaaancc tacagagaag ctacgatgat ttcttagctt 300
cacttctga taatgactgc aganacgcng tttangacgt tgatttcgtn acntctgaan 360
aagtggcana agagcnnaat ccnctcntt gcctggntcn ccttcgacct cngggaaatc 420

<210> 10347
<211> 512
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E3
<400> 10347

ctacgncccc ggaaattccc anatcgaccc acgcctccgg tgctactcat ttcaggccaa 60
aattgattgt tgctgggtgc aagtgcttat gctagattgt atgactatgc ccgcatcaga 120
aaggtctgta acaagcaaaa agctgtaatg ctaagcagat atggcacaca tcaagtgggt 180
tggttgctgc naatgtaatc ccttcaccgt tcgactatgc tgatgttgta accaccacaa 240
ctcacaagtc acttcgtgga ccccgaggag ccatnatttt cntcacaaag ggtgttaagg 300
aaattaacna agcaagggaa anangttttg taccattttg aagatccnga tccanccaaa 360
ctgtcntccc tgggtcttcaa ngtgggtcac acaaccncac tatcacanga ctagctgttg 420
cnttnaaaca nggcaactac ttcangagtt caaaagcata ccnngaaca agntcctgng 480
taacantngc aaagttttgc tcagactccn aa 512

<210> 10348
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E6
<400> 10348

acgcgtccgg caactgtgga agcctaacat cgggtgtgctt gagctagggg tcttaaagtgc 60
gaccggttta atgcccatga aagctaaaga aggtggtagg ggaaccacgg acgcgtattg 120
tgtggcaaag tatgggcaga aatggatcag aactcggaca attattgaca gctttacccc 180
aagatggaac gagcaatata cttgggaggt ttttgatccg tgtactgtag ttacagttgg 240
tgtgttcgat aactgccatc tacacgggtg tgacaaaaac aacggaggag gaaaagattc 300
aagaattgga aagggtgagga taaggctctc tactctcgag gctgatcgag tctacacaca 360
ttcatatcct cttttggtgc tacatcctan tggagtcaag aacatnggan aagattcact 420
tagcngtnag gttacttgct ccttcattgc ctcaacatga tggtatatn 469

<210> 10349
<211> 514
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-E7
<400> 10349

aatggccgcc tggncctaga aagtcgatn attcccgggt ggncccacgc gtccgcnac 60
gcgctccgaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnacc gtcgtcaaca actgtccctt cactgtctgg 180
ccagccattc aaccaacgc cggccacccc gtccctagaga aagggtggtt cgctctccca 240
actttcactc ancgctcctt caacgttcca accacacact ggtccggtcg catctgggcc 300
agaacntggt gtgccacta caacggaaaa ttctnctgcc tcaccggaga ctgcggaac 360
cgcttgaat gnaacggtct cggcggggca ccacnaagct tctctagctc agttcgacct 420
cnaccacggt ggtcaggacg acntcnctc gtanggtggt ctctctcgtt gaangttana 480
atgtnccgac ggacggtgga ctctnaggg aagg 514

<210> 10350
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E2-B11

<400> 10350

acgcgtgggg ttttccttcc aagtgcata gaaatcaatc ctgatgcctt ttctctccgc 60

aacactatta gctctcaaac tacctgacca ttccagtcac ttaacctatt acgctctctt 120

ctcgatgttc cctcttcttt gccgtgacaa actcttgatc ccttacttaa cactatcttt 180

tctcttcacc gtcactatc attcaccgg gaatcaccat gcgatacaga aaaccgacgt 240

ttcatttttc tcttttaaaa acttcccggt ttatgttttc ttactacgaa cccatttctt 300

catctccgta gttcttcatg tcctctatct taccattaaa cctcttcaga agtacccttt 360

cctattcgaa ngcactgatn atgaatctct gtttctcata cttantaatg gttggc 416

<210> 10351

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-E4

<400> 10351

aaatgcngaa tgtacttcga aattctaacc tgacccttgc cgttttgant tgctttgtcn 60

tgatagcttc aaagctatgt tccgtcgatt cctctgtgta tgaccacac aaaaccctga 120

agcagcggtt cgagaagtgg cttaaaaccc acagcaatan atggaggaan ggatnagtgg 180

atgctacggt ttgggatata tcagtctaac gtccagttga ttgactacat caactcnctc 240

cacttgccct ttaagctaac ggataataga tttgcanata tgaccaatc tgagtttaan 300

gcccattttc tcgggttgaa cacgtcttcc ttgaggttac acnaggangc agagaccagt 360

tttgnancc agcaggcaaa ggtcccgac gctgttgac ctggaagant caagtgct 419

<210> 10352

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-F3

<400> 10352

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gttactcgcg ttgcttctgg tttcagccgt agctgacgat gtggttgttt tgactgacga 120
tagcttcnaa aaggaagttg gtaaagataa aggagctctc gtcgagtttt acgctccctg 180
gtgtgggtcac tgcaagaaac ttgctccaga gtatgaaaag ctagggggcaa ccttcaagaa 240
ggctaagtcn gtgttgattg caaangttga ntgtgatgag caaaagagtg tcctgtacta 300
aatanggngt ttagtngggg tacccaacca nttcagtggg tttcccnaaa aggatttnt 360
tgannctcng angntntgaa ggggtccac gccattgcng gaaagcttng gnetgaaaac 420
cttaaacaag gga 433

<210> 10353
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-F4
<400> 10353

acgcctgnct gtaccgcca naaattccca aagtcgaccc angcgtccgg cagaggggaag 60
gcgaagaatt atgataacct ctcatcaacg ataagacaaa atccataaac tagtantatc 120
atccaatcct ctcaacttct ccttattccc tcaactttcac tctcactatc tgttgacttc 180
acatggcttc caccgcccga actgcagctc tttcgatcat caaatccacc ggtggcgccg 240
ccgttacacg ctctcccgc gcctcctttg gacacattcc ctccacatcn gtctccgcac 300
gtcgccttgg nntctccggc cgtcgtngac tctcgtttct cgggccangt ggcgtccaag 360
gtccacgcc gntgcncngg aaagggccgc cagggggagt gnattacgat ngcgaangaa 420
gagtgttggg gatntggaat tctggtg 447

<210> 10354
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-F7
<400> 10354

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ccgatcatga atccgacgaa aacacccgtc tttaccatcc ttaccagaac taccaggtcc 120
cgatcaaadc tcagtatcta tacaagcttc cgacttctcc ggaatttcta ttcacggaag 180
agtctctcaa gcagcgtcga tcatggggag aaaatctcac tttctacaca gggacgggtt 240
atctagccgg ctctgtagcc ggtgcttcag ctgggatcnt ctenggtatc angagtttcc 300
aaaatggana cacgacgaag ctgaaaaatc nacaggattt tgaactcgtc tggtcaggca 360
ggtccgactt ggggtaaata ngggtttggg attggtgggg ttgatctngc cagnggattg 420
aaaactggtg tgggtggcng g 441

<210> 10355
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G2

<400> 10355
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gtccgggggtt atggcctgag attgctcgag gatgtacgag aggggcaatt cctaattgaa 120
tatgttggag aggtgcttga tatgcaatcc tatgagactc gccaaaaaga atatgctttc 180
aagggtcaga aacatttcta tttcatgaca ctaaattggga atgaggtaat agatgctggt 240
gcaaagggaa acctanggcg tttcattaac catagctgtg aaccaaactg ccgtactgaa 300
aagtggatgg tgaatggtga aatttgcgtt ggaatattct ccatgcaaga ccttaagaag 360
ggtcaagaat tgacatttga ctacaactan gtcanggggtt tttgggtgcc ngccgccaaa 420
aaagtgcgaa ntgttggatc aancacattg gcacnanggt tatatttgnn gggaanattc 480
tcctgaaatn gtgaat 496

<210> 10356
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G4
<400> 10356

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 ctcaatcttt acatatatgg taaccaactc ttattccatt cctctgtaac tcacacaaat 120
 tcctgtccaa aaattagttt tttcttttca tgtgatgtga gaatttgggt tacgagaaag 180
 atgaanacta ttagtggatt aggtattggg ttaagtttaa tgtttgggtt tcttctatta 240
 gcacttgttg gagaagtcta ctatcttcna aagatgtaag aagcacaaga aggagagtca 300
 taagccaaga gagtgaagaa gaganagaag aagaacaaca acaaaacgga tacgctaaag 360
 aacnaatcca gctcttctgc ntcaaaaaaa ctcaatctnt gcagcaagac aaatgggagg 420
 aacgagaaag gtgaaagtcc ccantg 446

<210> 10357
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-G5
 <400> 10357

agacccaaga gttgcagttg ttactggttc caacaaaggg attgggtttg agatttgcag 60
 gcaactagct aacaatggga taactgtggt tttaactgcg agagatgaaa acaagggtct 120
 tgctgctgtc caaaagctca atactgagaa tggtttttct gatcaagcca tctcctttca 180
 ncctcttgat gtctccaacc cagacaccat cgcttctctt gctgcttttg tcaagaccgc 240
 cttcggcaaa ctcgatattc tggttanaat gccggaattg gaggggagaa tgtaaatgtt 300
 gantgttcnc aaanctcaga ttggctgaan gctggtgctc caaactgata ntcc 355

<210> 10358
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-G7
 <400> 10358

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 tgcatttttc tggcaattct ttgttgttta tcattgagtt gtatagtaaa agcatcagtc 120

tcttatgata gtaaagctgt gatcatcaat ggacaaagaa gaatccttct ctccggttcc 180
attcactatc cacgaagcac ccctgagatg tggcctggcc taatacagaa agccaaagaa 240
ggaggcttgg atgttattga nacttatgtt ttttggaaatg gccatgaacc ttctcctggg 300
acaatattat tttggagaca ngatatgattt ggtaaagttc atcaagttgg tgcaccaaag 360
ctggtcncta tgttaatctc aagaattggc ccttatgttt gtgctgaatg gaantttggg 420
gggaanttcc cggtttggct ca 442

<210> 10359
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G8

<400> 10359
tccttcatct ctcaggtaaa aaaactgagt cgagatttgg tgacgtgatg aatcatttgg 60
tgataatctc tgtgttcttg agctcagtat tgttggtata tagaggagaa tctggaatca 120
caagtagttt tattcgatct gaatggcctg cggttgatat accatttgat catcatgttt 180
tcaaagtccc aaaaggatat aatgcaccac aacaagtaca cataactcaa ggtgattatg 240
atggtaaagc tgttatcatc tcttgggtta cacctgatga acctgggttct agccaagtac 300
attacggtgc gggtcagggg gaaatatgag tttgttgctc aagggaacnta ccatancnac 360
acntntttac aaagttaaaa gtcttgggct ttagtcatca ctgccttgct ncc 413

<210> 10360
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-G9

<400> 10360
cctaacaaaa gcttcagact tcaattcttt agctacctct ctcccatggc agtaagtgtt 60
ttctttcctt ctttccttct cctcttcttc ttatttaggt ctagagcttt ctctcagatt 120
atagtttttg tttcgattcc gtcaatctct gacccttttt ttggaggatt tgtagaaagt 180

tgagtcttaa tctatttgca tttatgggtc ttctattga gataacattt ctatggattg 240
cgatgtctat tantattcan ntttatgatt ctgatttgct ttagataaga naagggtttt 300
atgaaagtta ctatttttat ggtaaagttt ctanttttgc ttaagcagag atttcancnt 360
tagcatttgt acttggtcga natccgataa ncncaatttg gaggttggtc ggtttnggat 420
t 421

<210> 10361
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-H10
<400> 10361

aaccgagagt tgcaattaat gcgactaatg gaccatccaa atgtgggttc cttgaagcat 60
tgtttcttct ctacaacgac tagagatgag ctcttctca atctcggtat ggagtatgta 120
ccagagacat tgtaccgggt tttgaagcac tatactagtt caaaccagcg gatgcctatc 180
ttctatgtca aactttanan atagcaaadc ttcagaggcn tggcttanat ccatactgct 240
cctgggtgtct gccacagaga tgtgaaacca nanantcttt tgggtgatcc cctcacccat 300
cactgtaagc tctgtgattt tgggaagtgc aaaagtactg gntgaaacgt gaagcnnaca 360
anatcatata gccgcncncg gtagttaccg aactccagaa cnc 403

<210> 10362
<211> 291
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-H3
<400> 10362

gtaccgcccc aaacattccc naggtcnacc cacgcgtccg natgtgtggg agagaggctg 60
agacatttct ggggattgat ggagatgaaa ggagataaag agagttttca gatgtaatta 120
annagaaaac agatcttttg gatttttaggg tttatatcca acaaaagcta accaaaaact 180
aataattcaa gattggtgct tcggaagaag acgcanaagt gtattttctt gcagttgcaa 240

aactgttacn aaatttttaa agttttccna aaaanaaaaa aaaanaaaag g

291

<210> 10363

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-A12

<400> 10363

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attatccatg tcgattctac ttaggccgtc gtcctctcct tcactctgtt cttctctcaa 120

gcttttccga ttatcctctc cggattcttt aatcgacgca gctgtcctca ggaacaggac 180

aaagccgtcg cagtcgtttc gaatggaggt cgtttcgagt aattccacgt gtctttcgag 240

tattancgtc ggtgaagatt ttccatcaga atatgaagca gtggctaccg gttccggatn 300

caganagcan gaagaanagc tgngcgTTTT gctacacnCG acgtcntttc gtggctcctca 360

tggnatnggt natctcgga gaagaaggcc ttccgggnca nncnangtgg cnttcagtcg 420

aacgggttgc tccgtttggg angg 444

<210> 10364

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-A8

<400> 10364

aaaccgttcc caggagctgc tttgatttgg tttatcgttg atctgtgaaa atggggacga 60

atgatctcga catcgaagaa gggactctgg agatcgcat ggagtatana actgtttctg 120

gtgttgctgg accattggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180

ttaatattcg cttagganat ggatcaacga gacgtggtca ggTTTTgaa gttgatggcg 240

anaaagcagt tgtgcaggtt tttgaaggaa catctggaat tgacaacaag tttacaaccg 300

tgcaattcac aggagagggt ttgaaaacac ctgtatcatt gngacatgct tgggcgcata 360

tttaacggtt caggaaagcc gatttgataa tgccctcct attctgcn 408

<210> 10365
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E1-E3

<400> 10365

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ctactctttt caggccaaaa ttgattgttg ctggtgcaag tgcttatgct agattgtatg 60
actatgcccc catcagaaag gtctgtaaca agcaaaaagc tgtaatgcta gcagatatgg 120
cacacatcag tggtttggtt gctgctaata taatcccttc accgttcgac tatgctgatg 180
ttgtaaccac cacaactcac aagtcacttc gtgngacccc gtggagccat gattttcttc 240
agaaaggggtg ttaaggaaat taacaagcaa gggaaagagg ttttgtatga ttttgaaaga 300
cannatcaac caagctgtct tccctgntct tcaaggtggg ccacacannc aactatcac 360
anggactang ctgttncctt tggaaanaat gcaacntact tcagaagta 409
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<210> 10366
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-052-Q1-E2-B10

<400> 10366

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tctcgaactt cgccggagaa tgatggaaac agctctgctc cggtactgcg tcaacttttc 60
cggtcacaag aaaatctctg ctcatcaaag aagtaatagt gagattccga aaacgagtcc 120
gggaggatgc gaagacgagt ggtgtgctag ggttttgagt agaagatcgg taatggcgctc 180
agggttggtc tctcgacga cggctttagc atttccaagg gaaggattgg ctgtcgtaa 240
acaaggctct ctgctggga gagttcctgg tctgtccgaa cctgatgaag aangttggag 300
aacataccgt agaccaagac gaagaagtca gganggcatt gtgttggttg gagtcctatt 360
atcccttacg ctttttcggt tctcaagat tggaatgang tacctgtatc gatcgc 416
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<210> 10367
 <211> 473
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-051-Q1-E1-G9

<400> 10367

acgcctnctg tagcctccaa aattccaagg cnnaggagga aatattttcg atanttccat 60

tttcagatga tgaagaaaat ggacccgtat ctgggcgctc actgaagttt tcgattaaag 120

gtttggtgga aaaatcccca aagaaaagca aggagtatgg gaaacactct tcaagtaaaa 180

agcatgctag taaaaaaggt agtcacacta anttggagcc tgaagttcat caggagattg 240

gatctgagag acnccgacta ggtggtgtta gaattgataa tgtgggtttt cagataaacg 300

aacaagcggg ncgttaattc ttctgtanct ggaatttgct caacacatga acctnanatt 360

gtaaaacaca aganggttga tgatgtnatg gtgactgang aagaaaagcc gtccanggat 420

anttngaata aangtgtacc aaagcntcct gaagtctgaa taatcgaggg ant 473

<210> 10368

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-051-Q1-E1-H6

<400> 10368

acgcgtccga aaaagaanaa aaaccttaatt tcaagaaatt caataaatat catcctccgg 60

ataagttgtt attgtacgtt taccaaattc aagaacaaga aaaaactttt cctttgaaac 120

aaagaaacat ggattttcttc accgatcaag taaagaataa attctccgac angaaaccgg 180

agagctctga tccggagcca aaccacanca aanacnaacc cggtcacacg gagccaacan 240

cacataaacc cggtcacggc gagccaacaa nacataaacc ggtctccaac accggatcca 300

acaacanaca gaccggctac gaagcgctga gctcatggct ngtgcnaaga tcgtangcgg 360

aagctgctca anccggctgc tcgtcacgag tcagacaagc ttgacatagg canag 415

<210> 10369

<211> 365

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-A12

<400> 10369

agagtggagt ggagctttga attggatgat cattatccat gtcgattcta cttaggccgt 60
cgtcctctcc ttcactctgt tcttctctca agcttttccg attancctct ccggattctt 120
taatcgacgc agctgtcctc aggaacagga caaagccgtc gcagtcgttt cgaatggagg 180
tcgtttcgag taattccacg tgtctttcta gtattagcgt cggatgaagat tttccatcag 240
aatatgagca gtggctancg gttccggatc cagagagcag gagaagagct ggcgttttgc 300
tacacccgac gtcgtttcnt ggtcctcatg ggnattgggtg atctcggaga anaaggcctt 360
ccggt 365

<210> 10370
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-A2

<400> 10370

tacgccccan aattcccaan gtcgaccan gcgtccgccc acgcgnccgc tttctttctc 60
agattaatcg ctgagaagaa gcaaccacct ggagacggcg gagatggcag ggtacagagt 120
ggaagatgac tacgattacc tcttcaaagt tgttcttata ggcgattctg gagttggcaa 180
atccaatctc ctttccatat tcaactaaaa cgagttcaat ctagagtcta aatccaccat 240
tggcgtcgaa ttcgccactc gtaccttaaa agtcgatggn aaagtcgtta aagctcagat 300
ttgggacact gctggtcagn gagangtacc gtgccatcac tagtgcatat taccctgga 360
nccntgggtg caactcctag gtatangatg taactccncc cgtgnancat ttgnnatgt 420
tcatcggtgg gtta 434

<210> 10371
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-A8

<400> 10371

gaaccgttcc caggagctgc tttgatttgg tttatcggtg atctgtgaaa atggggacga 60
atgatctcga catcgaagaa gggactctgg agatcggcat ggagtataga actgtttctg 120
gtgttgctgg accattggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180
ttaatattcg cttaggagat ggatcaacga gacgtggta ggttttggaa gttgatggcg 240
agaaagcagt tgtgcagggt tttgaaggaa catctggaat tgacancaag tttacaaccc 300
gtgcaattca caggagaagt tttgaaaaca cctgtatcat tggacatgcc ttgggccgca 360
tattttaacg ggttcaanga aaagccgaat tggataatng cccctccgaa ttctgccaag 420
angccataac 430

<210> 10372

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-B4

<400> 10372

gtaccgcccc aaaaattccc aaggtnacc cacgcgtccg nannatcagt ccgatccgag 60
tgaagacaga ctctgaggag ctattgcagt tagatggaaa gagtatatct gagggggtga 120
gtgaaataga tgcantttcc aaagaagtan aggcagagtt acgtctcacg agatatcggc 180
tgtcacttgg ttcaagttct tgaagctgta aatanagttc tcttcgatct ganaggcttc 240
aanaggacat ctaantactt tagacccgga gaattcctag cttcacnctg tacttaactg 300
tanatgcagc actgcgtttc tgattaagtg taaganacat tgaagtttgt aagcgccctga 360
atgtaccaat tggttggatc tccagttggg gggaanatnt ttcnggantt ggcctaaaaan 420
cgggagtatc ctggagggaa ctctttaana ccaacttcaa ngacagagct tggtt 474

<210> 10373

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C2

<400> 10373

ctgttacgcc tgntgtacgc ccanaattc ccaaagtcga ccangcgtc cgaaaaaacc 60

ttgacgccgt tttcttcttc gatcttcttc ttctccaga gaaaacaaca tggccatggc 120

aacaaggact ctaggctttg ttttgctac gagcttatct tcccagcctt ccttcgaccg 180

tcgcggcggt ggatttaggg tttctgtcat ccgttgctcc acttctccac tcacttttcc 240

cacttctggt gttgtggaga aaccttggac ttctgacaat gctaggcttg tgtagaaca 300

tggttctatc tggcctgcta agtcttttgg gtgctcctgg aaccctgatt gctgaantgg 360

gtgtttaaca ctctcttgag agggatcaa gaaattttaa ctgatccnag ttaggctggg 420

cagtttgtgc naatgacaaa gccananant gggtaatnac tggngtcaan nccctgaatg 480

aatngaagaa tccgggg 497

<210> 10374

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C7

<400> 10374

cgataaaacc gaaacatcaa gcaaacaaaa aaaaaagaga agagaaatta tttttttttg 60

ttttcgtttt caaaaacaaa atctttgaat tttatggcaa ccgtcttct ccgaacaaac 120

tttatccggc gatcttaccg tttaccgct tttagccgg tgggtcctcc caccgtgact 180

gcttccaccg ccgtcgtcnc ggagattctc tcctttggac aacaagcacc ggaaccacct 240

cttaccacc caaaaccac cgagcaatct cactgaggtc tcgatctcnc cgatcaagcc 300

cgtcttttct cncctaance canagcncng gatctccnc cgttccanng ccgtgtttg 360

catgcngggg cgataggtcc cnatnggtcg aaccttaggg gacgtggggt cagtgaagcc 420

cgaaantt 428

<210> 10375

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-C9

<400> 10375

aaaatatgta nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccgct ggacgtcgaa 120
acaacctgcc tcgtccaaac ctcaagaagac gatgtaaggt caccgcttca cgggctaata 180
ttgancaaga aggtaacaca gtgaaagaac ccattcagaa tattaaggt anagggatac 240
ataacggccc acgaagagtt tctggagggc atnacttggc caagaggtct cgatngacat 300
tgcnganac cggcggcagg attaattgct cncngagct taattagcgc cnagaactga 360
ccaacgggag ttacgggnag aacgactacg ccancaaagg tggtangggc cgaa 414

<210> 10376
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-D6

<400> 10376

acgcgtccgg aaactcaatc caatctcacc aaacnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
natgaaattt ggactcaact cgcctgcagt tagagtagaa ggatttgatt gcttgaaccg 180
tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tagtgaacaa 240
gtgtacatag agattccgga atcgttcggt cgccaatgcc taacagagga ggatttgatt 300
actactgctg caactattac tactaccatt ttgaaaagt aaatgaatat gtttttgttt 360
ttcatcttct cctaangaga gagaagagag ggaacaggaa ggaggaagat gaagatcant 420
tancgtcgcc gggtcaccgg tttaa 445

<210> 10377
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-D8

<400> 10377

acgcgtccnc ttcgttatat tccttgagat aacaacaaag catcgttctt cacctttacc 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttataggat caatcgatca 120

aggaaccacc agcaccagat tcatcattta cgaccacgat gctcgtcctg ttgcttctca 180

tcaagtcgag ttcactcagt tctatcccga agctggatgg gtggaacgat ntnatggaga 240

naccgggaaa gtgtgtgaat gtgcantnca naaaggctct cgacaaagcc actgccgatg 300

gacacaacgt cgacggtggc ttgaaggcca ttgggcttac agatcagagg agagactact 360

gttgtttggg gcaaattcac tgggccttcc tctccacaaa ggctattgtc tgggatggat 420

gctcgtacca nctccatctt gc 442

<210> 10378

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-D9

<400> 10378

aactgtttca cgccgccng taacggtcca naaattcccg ggtcgacca cncgtccgnc 60

cacgcgtccg aagattttga tgtggtgat cttgacccat atggtgcgcc gtctattttc 120

cttgactcag ctgttcaatc agttgccgat ggtggtttgc tgatgtgtac agcaactgac 180

atggcagtgat tatgtggagc taanggcgag gtctgctatt ccaaataatgg ctcttatcca 240

ctgaaagggg aatattgtca tgagatggct ttgaggatcc tctcgccag catcgagagc 300

catgcaaatc gctacaagcg gtatattgtt cctgttctat cggtcnaaat ggatttcnac 360

gttcgtgttt ttgtccgctg ctacnctcn ngcgangtgc aatgaagaat acnccactaa 420

aagctcnat angtctacca attgcaattg ggntgtgatt cccattcaat cttcagtcgg 480

gtttggaaag atttcctc 498

<210> 10379

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-052-Q1-E1-E1

<400> 10379

tgtttacgcc tgcnggtacc gncccaanaa ttcccaaggt cgacccacgc gtcgcgcgag 60
tctccactg attcagcang ctctttgaac tactcttca caatggccga acgtggtgga 120
gaacgtggtg ttgagcgtgg tggagaacgt ggtgatttcg gacgaggatt cggaggccgt 180
ggaggtcgtg gagatcgtgg agggcgtgga cgtggaggcc gtggtggtcg tcgtggangg 240
cgtgccactg aanaagagaa atgggttcca gtgaccaanc ttggtcgtct cgtggcggct 300
gggtcatatc aagcagatan agcagatcna tcttcantca ctcccggtta aggagtacca 360
gattcattga tatgctcatc ggtccaacna ttgaaangat naaggtaaata tgaaanatca 420
tgccgggttc aagaaancaa anccaanggc tgggtcaaac ggactagatt caagggcctt 480
tggttgcgt ttggagangg taaat 505

<210> 10380
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-051-Q1-E1-G3

<400> 10380

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cgtatcagcg ggtagctctt gatcagcttc tgagaatcgc tgggattact gatgatgact 120
tgttgttaat gtctgatgac gatganattc caaanttaga cacaccntta acccttttga 180
agaatggtgc gatgagatnc ccgaagatac ttcactctgc cctcaagaac tatctttact 240
ccgtttgaat tccttgttga taacaaaagc tggaaaagct tccatccaca gatatgagac 300
gggtaaagac acggtangct cattatcgac agtctgatgn aatcttggcn gatcaaggat 360
ggcatngta ncttttgcnt ccgacgaatn cagtgagttt anattcccag atgaaaagcta 420
ta 422

<210> 10381
<211> 429
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-E2

<400> 10381

atttanacag tcttccaaag gctcagtata tctctgtttg caaggatggg aagccattta 60
cattttctag cagatccggg aattctcaag gtcaatcagc gacaaaggat ctgttgccgg 120
gagcaggcga ggctgttgat actaaatgta ctgcaggatc agctaataac gacttgaagg 180
atggaatggt tactacacca cacgaaaagg ctacagattc caagaaaagt ggtaccgagt 240
caaactctca gccaatgtga ggagactcaa gctatgaaaa gaagtaaagt angagatana 300
gaangagana gtgatagaca gaaagaacga agtaganaca gggacagggg gtaaggtctc 360
acagangcag anantcctga canagacaag ttgataggga agaagagacc aactcaaagg 420
atnggaatt 429

<210> 10382

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-D7

<400> 10382

acgcgtccgc ccacgcgtcc gctgaagctt ctactgggga atcgatgaag ctcttgcac 60
ngatattctt attagctttg actactggaa tctctgctgt tctaacttac attatcggcg 120
tctctaactc ctacgagtct aatcgtttta ccaatgaaga tttanaggcg ttgcagtctt 180
tgcagaacgg attccagaag tgcgtaagtg caaatgggtt gggactacaa gctgctatgg 240
gtagagatta ttgcaaagtt tctataaaact tccctaagga tactgtcccc aaatggaaag 300
atcccaagtc tggagagctt gaaggattgt catatgagtt tgacctgtgt gaagcagtag 360
ctacatggga acaagtcang aatanctcta caatactcac caanggaata catttaatgg 420
ccttaacaaa tgggtgggga agg 443

<210> 10383

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E11

<400> 10383

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agtggaagct caaggaggaa atggtggana aacattcgac gatggtgttt ttgatcatgt 120
aagaaagggtt tatgttggtc aaggtagtc cgggtgtagct tatgtcaaatt togaatatga 180
gaaagatggg aaaagagaaa caagagacca tgggaaaatg acattgttag gaacagagga 240
gtttgaggtt gattcanatg attacatcac atcaattgaa gtttctgtcg acaaagtctt 300
tggttataac agcgaaatcg tcaactgctct tgtgttcaag actagtaagg gtacaacctc 360
accgcctttt ggaatggtga ctgagaagaa attcgaactt aaagatggta acggaggaaa 420
acttgccgga ttccatggga aagctagtga tgttctttaa gctcttggtg cctantt 477

<210> 10384

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E2

<400> 10384

acgcgtccgc ccacgcgtcc gtggcgattt cagaagaaga agccaaactc gaaaggttcc 60
tagattggct tcaggatgaat ggaggatgaat taagaggctg caacatcaa tattctgact 120
ccctaaaagg atttggcata ttcgcttcca cctccactca agcttccgat gaagttttgc 180
ttgttgttcc gcttgatctg gccattaccc ctatgagagt tcttcaggac cctctcctgg 240
gccctgagtg tcagaaaatg ttgaacaag gacaagttga tgaccgcttt ctcatgattc 300
tgttcctcac tttgggagcg tcttcgtatc aattcttctt ggaanccgta tctgatatg 360
cttcnaanc catttgggca aancctcctt ggggttt 397

<210> 10385

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-E5

<400> 10385

acgcgtccga gggaatggag agttgctgtc ggagcgatcat agcttcaagg acgtttcatc 60
tgccgtcaag tggccgtcta tttccctctc ttagcttaac tcactctcaag ggcaagctat 120
ctctctccat caactcgttt tctccaaga ttcagtctca tgctctccga ggagttggta 180
taggcgagtc agataagaaa aatcccctgc cgcgaggggc cggagaagga gtcaagggaag 240
atgcgaggag taagctgctt catgtagttt tgggtctctc tcagattcct gggaatacag 300
gttgcatgtc aagaacatgt gctgcctcag ctgttgggtc gcatttagtc gggccattan 360
gttttcaagt ggatgacgcc aganttaanc naanctggnt tgggnataatg ggccctttgg 420
tggtnttcaa accccaaacc c 441

<210> 10386
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-E7

<400> 10386

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tgtatcttgt gatgataaca tgcaacaatt cattcgaacc attgaagctg ccaaactctt 120
accaacatct cacttttagct cagtgggtgt gaagataact gccatttgct caattagtct 180
tctgaaacga gtgagcgatc tgctgcggtg ggaatacaaa agtcogaact tcaaactctc 240
atggaagctc aaatcgtttc cggttttctc cgaatcgagt cctctctacc acacaaactc 300
agaaccggaa ccgttaaccg cggaagaaga aagggaactc gaagcagctc atggaangga 360
ttcaagaaat ctgtaagnaa tgcccaagan tccaatggtn caattgggtg nattgatggc 420
gg 422

<210> 10387
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-E8

<400> 10387

acgcgtccgg taaggctcgg aggaaaacct aattcgccg gagaatctcc acctcactct 60
cgccaaacgc atctctgttg tagcttgtga tggatccaac acagaacaca agtgcaggga 120
ttgggtgggag caatgggtaca atcagatatc aaaccaatga tgggacttca actgtgaccg 180
ttgctgatga ttcaaaggag aatctttccc aagtcataaa ctctattgag aaaactttag 240
gagtccttca tcagttacac cttaccgtca cttctttcac acccgcgctc caactccatc 300
tcctccagcg ccttaactct cttgtgatgg agctagataa catgactaaa gttgtctgag 360
aaatgcaacn ttcaaatccc caaggagggt cctaanc 397

<210> 10388
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-F10

<400> 10388

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agaaacatgt ttaatttcga tctcgtcaag gttaagttcg ctagaagcat agtttcgttg 120
gatctgagcc agaaccatat ctacgggaag ataccaccag cactgactaa actacacctc 180
gagcatttca acgtgagcga caaccatctc tgcggaaaaa tcccaagtgg cggctctactt 240
cagacctttg aaccatctgc cttcgtctac aacatctgtc tttgtggaac tccccttaag 300
gcttgtaaat ttggtttaaat cttggcggaa gaataaaaaat aatgttgaat atgttatgat 360
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a 421

<210> 10389
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-F11

<400> 10389

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gtccaaaggt tgttcttgct tccatggcta gtctcgaagc cggttttgct cgagagatat 120
tcgtggagtg ggcaaatgat cccagaaatt tagtcctctt tactgaaaca ggccagtttg 180
gcacttttagc ncgtatgctt cagtcagccc cacctccaaa atttgttaaa gtcaccatgt 240
ctaagagggt tcctttggct ggggaagagt taattgcata tgaggaagag caaaacanga 300
ctgaaaaggg aagaagcttt gcgagctagc ctcgttaaag aagaggaaac aaaagcttcc 360
catggatccg atgataattc aagtgaacct atgatcatag ataccaagac tactcacgat 420
gttantgggt ctc 433

<210> 10390

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F4

<400> 10390

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gagtcacagc ggaggaggct catatcactg tttccagct caaaaccttg atcgcggatc 120
agcttcagat ccctctccat aagcagacct tatccaccaa tcgtgatctc ctectcgcca 180
aaactcccgc tgatctaact gccttcaccg acctcagga cccaaacctc cccctctect 240
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cctggagctc ctcccgttac tcctgccgga ttcttcggga ggaagatgac cgtcgatgaa 360
ttgattgccc cgccaaatgc gcgtcaatcc tcagggggnn gtttcaatgg ngaatcccgt 420

<210> 10391

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F8

<400> 10391

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tggtactagct gggaagtata ttaccagtag aggttggtaa accgctgggtg gtcccaaaga 180
cggttgagca tttcaccggt ccatcgcttc ttccgcaaca tgtttcctcc cctgctttgc 240
cagggaaagc aagattcngg taatcaatgc ttctgctat tattaaagaa gacctggggg 300
tacctaattg gnggatcaga tattcanggc tgggtgtaa tttcaaagtg tngaaagtca 360
tcagaaanag nncaccttgc caaaantcca acccaag 397

<210> 10392
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G10
<400> 10392

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acgcgtccgc ccacnctcc ggccccactg cttggagatt ttacagata tcttgatgg 120
ctcttgctcg tgtaattagc agaaatccta atctaaaaac cctcaaagcc aggggatgta 180
aaaatctact ccaattataa gttgacggca gaactgacaa tttctctccg ttggtttctg 240
gtcaagaggt gtttaaatgt ttaagcaagg ggagtggatt ggaggagctt gagattgggt 300
gggggttttc ttatttctct tttgagtctt tgagacctgc agcttcgttc ctacgagtta 360
taagtgtggg tttgggtgct tccttaggtg aagatgtttt aaagcttcta ccttcaactt 420
gtcctttgct agagtctatc gtcctccatt ttcangaaat atctgattct gcctttgaca 480
agt 483

<210> 10393
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G2
<400> 10393

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taaaggagac gacttttact ggttcttcat tttcaaacca tcttagagct gaaaagatat 180
ccaccctgtt gaccatcaag gaacagagaa gacagaaacc gcgattttcc accggtattc 240
gtgcacagac agttacagcc acgccgccg caaacgaagc atcgccggag caaaagaaga 300
ctgaagagaa aaggcactgc agtgatcact gggagcttcg tccgggttta agtttaacta 360
cnggcaaang ctttancagn cacnggggaa attgcntggt gnttnatggc ttngaaggaa 420
cttnccaag ggccaaaa 438

<210> 10394
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-G3
<400> 10394

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ctcggtggtt acctctgata tatcgccagg aactgaactc ctactcgatc tctatcaaca 180
atgccgtcct tgtagaactt tggatccaac tctctgattc cgtcaatttc cattaanac 240
agctcagcga aggaactttg agtagaagaa gataatgtca cattcatggg atggctcttg 300
ggagattgcy tcagtggctc agctgactgg tttagatgcy gtcaagttga ttggtctcat 360
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<210> 10395
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D5
<400> 10395

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 ccggcaacgc cgttgaaata gtcaccggag accattttgc atcgtagagt tgcctttta 180
 tggcgttcac gtggggatct gctctccgga tttctgttct ccttatectt gtagctgcaa 240
 ttgtcttagc ttgttatttt ctccctgttg agaagctatt gaaggatttt ttgttatggg 300
 ttgaacaaga tctagggcct tggggacctt ttgccctaac tgttgcgtac attcctctaa 360
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<210> 10396
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10396

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 tccaatcatg acaagtttct tcacggagac aaacgagcct gatgacacaa tanaagaacc 180
 tcttgtccca aaacgagaag accaagaacc aggactgcaa acacctgac taatcttgag 240
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 gagaattgag catttgcaag cacagctaatt gcaggcagct gcagaagggg cggttcgggt 360
 gaatagacgg agagggccgc atananggga aggatttcac tctaacgcag gcaactggtga 420
 aagccgactt ctgggggtcaa tttctctnct ctgctgcctt ggtccggggtc cggntt 476

<210> 10397
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B7
 <400> 10397

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gatgacacga gatttcaatt ctcggcggtg taacgtgaag tcttaacaat ttcattgtcc 180
aatggtggaa ttacagaga gagaggaccg agtttctttg gaactcagcg aagaaattat 240
acagagcatg gaacctggcg ccgttttcag agactataat tgcaggatca gctcaattga 300
ctttcacaaa acttcgactt gtatggtgac agctagcgac gatgactcaa ttcgtctcta 360
tgatgttgcc aacgccacat gtctgaagac aattaatagc aaaaagtatg gtgttgatcc 420
tgtttgcttc acntctcaac ctantaangt canccaatch tccaaaaacc gggntggaaa 480
aaa 483

<210> 10398
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-B9
<400> 10398

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actcctgttg tttcagttct gagagaagat ataagttgaa tcgctgacc ggagacatgg 180
agactcaaaa caaattgatg aatgaaacta aaagacatgt taaatccaga ttgtgcagag 240
tttctgggtc gatgacggag atgatggaaa ttcaagctga gaatcccaca ttccatgtat 300
tgtttattcc gggaaatcca ggagtttgtt cattttacaa ggactttttg gaatctttat 360
acgagtttct tgggtggaaat gcttctgtaa ttgctattgg ggcaaatatc tcacacgagc 420
aaggactggg agtctgggaa gctattttca tttcaagaac aaattgatca taagattg 478

<210> 10399
<211> 386
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-C1
<400> 10399

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ggtctgaccg gctcacttat cgccgccaat gagtatgcct gttctagtag ccatatacac 120
 ttactcgtg ccaatttccc taaagggttc atttttggtt ccgcaactgc tgcttttcag 180
 gttgaaggag ctgtaaatga aggatgtaga ggtccaagca tgtgggacgt atacaccaag 240
 aaattccac ataaatgtaa ttatcacaat gccgacgttg ctgtcgattt ctaccatcgt 300
 tacaaggaag atatcaagtt gatgaaaaat ctgaacactg atggcttttag attttccant 360
 gcatgggcca aaatattccc ccangg 386

<210> 10400
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 aatatggtgg tgaagaagag ctaccacaga ctaatcctgg tttcaataat aaccctcctt 180
 tcaaattcac aaagtactcg aatgcttaca tgcttgata tatccgagaa agtgacaaag 240
 ataaaatant ctgcaacgtt gatgagaaag acatagcana acatttaagg gtgaggctaa 300
 agaaagagca ngaagaaaag gaagatnaa gaagatacaa ggcacaagct cacttatata 360
 ccataattaa ggttgcaaga gatgaagacc ttaaggaaca aattggggaa ggatatatat 420
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 tttc 484

<210> 10401
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 10401
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tcaacacaca ctaagaagct tatgcatcca tgagaactct caatggggtt atgctgtttt 180
ctggaggatc ttgcctagaa actatcctcc tcccaaattg gatggtcaag gagcttatga 240
tagatcaaga gggaacagga gaaactggat cttgggttgg gaagatgggt tttgcaactt 300
tgcagcttct gccgcggaaa tgagctccgg agaaggtagt ggtggcgggt gtggctcagc 360
ggcttatgga aatagtgatt ttcaacaata ccaaggggct tcagcctgaa ttgttcttca 420
a 421

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<210> 10402
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-C4

<400> 10402

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tagaattcat cctttgcttt gtttatttgg gtgtttatct atcgaggaa ttagggtttt 180
tggtctgctt cgatggatat ggatcaagag ataggtcaaa attctcctgg atttgatggt 240
gaatcagtag tgtcaatgag taatagaagc aaggagactg aaccagtccc gggtgagaat 300
gactattatc gggaaaacgg attcaacann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncagaa gtccttcac tgatttgaat caactccgg cgattccgcc aacttctant 420
gggtcaangg tttgccgttt gcacctgtcc aatttcccga nccccgggcn atttttggac 480
nttgaaaaat ttgga 495

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<210> 10403
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-C7

<400> 10403

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 tccaaaacgc gacgtcagct tcacctctcc ctctcttccg gcgcccgatc caaagcaacc 180
 acagcaactt cgtgaagcat cctcgccgaa gtcaggtggt tttcccggtg aatcatagta 240
 gttgtgatct gtctgccggc gagtgggtgc gggatgagac ttaccactt taccggtcta 300
 aagaatgcgg ccgaggaatc atagatncgg gattcgactg ccagacttan gggagacctg 360
 antccgacta acccaagttc cgggtgaaaa ccttcaaang ggaaggtccc cta 413

<210> 10404
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-C8
 <400> 10404

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 tgccacagcc agtcacttta gataaccaca tctccctaata cccacatac aaaccggttc 180
 cggttctcac ttccattca atccccgtcg tcaacctagc cgatccggaa gcgaaaaccc 240
 gaatcgtaaa agcctgcgag gagttcgggt tcttcaaggc cgtaaaccac ggagtcggac 300
 ccgaactcat gactcgggta gagcaggagg ctattggctt cttcggcttg cctcagttc 360
 ctaaaaancg ggcgggtcca acngaaacgg tacggtaang gaataaaacg gattggacna 420
 aacgggtaac tttggttgga ttgant 446

<210> 10405
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-C9
 <400> 10405

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 gtaattaaan ttggtggtcc aaagaaaaca agtttttaac nttggtgggg ttttgtggnc 180
 cattcgggtg aagctattga tgctcctggg tgcacatttt gcccctcttc ctgctccac 240
 tccanctccc cgccgcccgc gcccgcgccc gctccaagct ccagctccct cgcccgtcc 300
 cgcttctgcy cccgttccaa gctcccgccac ccacgcccgc tccaagctcc aagctcctcc 360
 taacaaaagt ggaaagctct agggaggaaa tgggtgggaa acaatatttg acgatggtgc 420
 tttccgatca tgtaaagaaa gggtttatat tgggtcaaagg tgattcctgg tgtagcttat 480
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<210> 10406
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-D10

<400> 10406

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 tgatatgaac agtcttctga gaagaaaaca agttgattct gttcatctta tcaaaaacga 180
 tggacctcat cagcttgcca agaaactatc cgccgttgat cttgttgcta ttggagttgg 240
 gacaacaatt ggagcaggag tgtatattct tgtgggaacg gtagctagag agcacacagg 300
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<210> 10407
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-D11

<400> 10407

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caactagcta acaatgggat aactgtgggt ttaactgcga gagatgaaaa caagggctct 180
gctgctgtcc aaaagctcaa gactgagaat ggtttttctg atcaagccat ctcctttcac 240
cctcttgatg tctccaaccc agacaccatc gcttctcttg ctgcttttgt caagaccgcg 300
ttcggcaaac tcgatattct ggttaataat gccggagttg gaggggcgaa tgtaaatgtt 360
gatgttctca aagctcanat tgcctgaagc tgggtgcgca actgatattt ccaagataat 420
gagtataca tatgagatag tcgaggagtg tgttaaaaca aactactacg gcgttaagc 479

<210> 10408
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D12

<400> 10408
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aagaagccgt tctaccctta caatcctgtc accgganctc cacttactgg tgggggaatc 300
ccatcatata atgggtggaca angggccgga cctcacacc aactccctgg tggcgatgat 360
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<210> 10409
<211> 515
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E2-D2

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tggaactga aattgtcaat agacttgga atagtttctc tcgtgcacct ttggcggcag 180

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 aatctccac tgggtctgct anaaaccggg ctttaaattg ttggaanncc nctcgggtta 420
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<210> 10410
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-D4
 <400> 10410

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 tcttgagtgt taantagata ggtaaggtaa cggttcatgg cctcgaagta tgggttctgga 360
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 c 421

<210> 10411
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B6
 <400> 10411

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ggattcggag ctgcgaagaa agtcttatat agattcgagg gacatagatt gtcacatca 180
 gtagaaaagg gagagaaaca gagaatgaga tgtagagtta gctcaaactc tactgaaact 240
 gaagacgatt ctgctacaaa aaccaagacg acgccgtttg gttacacgag gaaggatggt 300
 atattgatag gagtgggagt gactgcactt ggtatcgggc tagagagtgg acttgagtat 360
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<210> 10412
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-G2
 <400> 10412

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 ttctttctac catttcaatc caaaaagagg gcaaattcaa tgcttctcta aaggagacga 180
 cttttactgg ntcttcattt tcaaaccatc ttagagctga aaagatatcc accctgttga 240
 ccatcaagga acagagaaga cagaaaccgc gattttccac cgggtattcgt gcacaagaca 300
 gttacagcca cgccgccggc aaacgaagca tcgccggagc aaaagaagac tganagaaaa 360
 ggactgcag tgatcactgg agcttcgtcc ggttttaggt taactacggg caaagcttta 420
 nnaagacnca ggggaaatgg catgtgatna nggnntncnc ggaacnttcc caagggccga 480
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<210> 10413
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-G3
 <400> 10413

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gtcaattctc gcttcactcc ctcaatataa tgcgatttct caaccggaat atctgaatct 120
ctcgggtggtt acctctgata tatcgccagg aactgaactc ctactcgatc tctatcaaca 180
atgccgtcct tgtagaactt tggatccaac tctctgattc cgtcaatttc cattaatatc 240
agctcagcga aggaactttg agtagaagaa gataatgtca cattcatggg atgggtcttg 300
ggagattgcg tcagtggctc agctgactgg gtttagatgc ggtcaagttg attggtctca 360
tangtcaaag ctgcgaaata ctgcttggat gcataagaag aattgtcggc aaatcgctca 420
aacatctcaa actcaantgg gaaattgcct taa 453

<210> 10414
<211> 526
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-H1
<400> 10414

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aatcactgtg ttcaccattg tgttgtttgt cattcttggt gtcccaatct tggntccaat 120
catgacaagt ttcttcacgg agacaaacga gcctgatgac acaatagaag aacctcttgt 180
cccaaaacga gaagaccaag aaccaggact gcaaacacct gatctaactc tgagtgaagt 240
ggaagatgag aagccaaaag atgtagattt gcttctgcc tcagagagac ataagagaat 300
tgcgcatattg caagcacagc taatgcaggc anctgcagaa ggggcggttc ggggtgaatag 360
acgggagagg gccgcataga ggggaaaatt tcactctaac gcangcactg ggtgaaancc 420
gacttctggc tcantttcnt ctccctgctg cctggntctg nggtcgggtt tgnccantaa 480
atgnnaaatc ctgggcnaat naatnaatcc ccctgggtan ggaaaa 526

<210> 10415
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-049-Q1-E1-H3
<400> 10415

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 tccttgccaa gtcctaaagg ccaacaacca agagttgagg ttagattaag agaaggaaag 180
 gcagtgaaca tacacatggt ctgtggacgt agaccaggtc ttttactttc caccatgaga 240
 gctttggata acttaggatt ggatgttcaa caagcggatga ttagctgttt caatgggttt 300
 gctttggatg ttttccgcgc tgagcaatgt caagaagacc atgacgtgtt acctgaacaa 360
 atcaaagcag tgctttttaga tacagcaagt tacgctgggt ttgggggttga atgccaaaca 420
 gaangggaag catctgtgtn gaaaanagct agatntaaat cccctg 466

<210> 10416
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-H4
 <400> 10416

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 gtcacgggac gaatctaata gccgggaaac cgtttttttt tttctctcgg aaaatcgatt 120
 tgaatctccg gcgatctgat cgggatgagt aacatcgatc tgattgggat gagtaaccgc 180
 gatctgatcg ggatgagtaa cagcgagctt ctcaccgtcg agcctctcga tcttcaattc 240
 ccttttgaat tgaagaagca gatctcttgc tctctctatt tgacgaacaa gaccgacaat 300
 aatgttgccct ttaagggttaa gacgacgaat ccgaaaaagt attgtgttag gcctaatact 360
 ggagttgttc tcccgaagtc tanttgcgaa agttcttgtg accatgcaaa gctcaaaagg 420
 gganctcctt ccngaaatgc anttgcaaag ggcaantttc ccgcttcnaa ggggttgtnna 480
 aaccaanncc ngggggtnnc anngccaaagg gaatttnacc ccgggaaatt tt 532

<210> 10417
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-H7

<400> 10417

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cttggtcgac tgttgtgaca catgatgttt ctacttcttg ttccaatgag agcaatgcat 120

taaataattc cactgacgat ggtccacaac atgacattgc tattgttggt ggtggaatgg 180

ttggaatcgc tttanctgct tcattggcca gcaagccatt gacaaagcac ttgaatgtcg 240

ctattattga caataatcct cttttgggga gaagaaatat catagagaaa gggcatcaac 300

ctgatcccan antcagtaca gtcacacctg cancaatatc cttcctcaaa gatattgggtg 360

gcctggcaaa tacctttgng caaacaagcg natgcgnaat ttgnntaaga ngcnaggtat 420

gggactaatc cagggccttg gngt 444

<210> 10418

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A11

<400> 10418

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tagatgctgt tggtaggcaa agaggaaccg gaattgggtg aggtaatgat gaaagagaac 180

agaccctcaa tcagctccta actgagatgg atgggtttga aggtaacact ggtgttatcg 240

tagttgctgc aaccaataga gcagacattc ttgactctgc tttgttgagg ccaggacgggt 300

ttgaccggca ggtaagtgtt gacgttcctg acgttaaggg gagaacagat attctcaagg 360

ttcatgccgg caataagaag ttcgacaatg atgtttcact tgaaataata gcaatgagaa 420

cacctgggat ttancggagc agatntcgct aaactccttg aa 462

<210> 10419

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A6

<400> 10419

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actgttgctt ctcagccctt tccccaccg cgaaaacgta gaaatcgtaa agcttcggac 180
caggagaggc acagagatcg tgggcatgta cgtgaggcat ccgatggcta cctccacgct 240
cctctactcc catggcaacg ccgccgatct gggacagatg tatgaagctc ttcattgagc 300
ttagcancca tctcaagggtt aatcttangg gatacgatta ctccgggtat ggacaatcta 360
ctggaaagcc gagtnangcc tnacangtta tgctganat cnaagntggt ttaaaaagtn 420
gtcnttaaag aaaccctttg ggcctaanc cagg 454

<210> 10420

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A7

<400> 10420

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tctcggcgat gatccctttc tgctgaattt ttggtccttt gtcgctcgac tgttttcttc 120
gtctactatt tgttcctttt ggatattctt cggacttttc gttgatttga ttttcaagag 180
agagagtttg aacaaggaag gattgaacta tggaagatgc atcagagact agctactggt 240
gtcacatgtg ctcccgatcg gtgattccat tgattcaaga cgaaatcatc aaatgcaatt 300
tctgtcaaag tggttttggt gaagaaatgg ataataatga tgaccatcag gctgctgatt 360
ctctctggac cctancttna tggnggatgn tgaachacaa tcaggaacca acantct 417

<210> 10421

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-B1

<400> 10421

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 cggccgatat ccgactttgt gaacccaaaag attgttgtgg tgggagctgg aagtgctggg 180
 cttggtgtaa ctaagatggc agtacaggca gttgccaaaa tggcaggtat caccgagagt 240
 gaagcaacaa aaaactttta cctgatagat aaagatggtc ttgtcaccac ggagaggaca 300
 aaacttgacc caggagctgt actttttgcc aaaaatccag ctgagatacg ccaggagca 360
 agtatcnttg aagtggtgaa aaagtnaggc cacatgttcc tcctggntta acctggaatt 420
 tgggtgggaa cctttaatgg aaaaatttcc caaaggnga 459

<210> 10422
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B10
 <400> 10422

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 tcagccggaa agtcaattct tgttcttaat ggtgccggan gagtancgga gtcttgtgat 120
 tcagttggcg aagcacgtgt atggaagctt caaaagtagc tgcaactgcg agtacagaaa 180
 agctagagct agtgagaagc ttangtgctg atttagctat tgattacann anggagaata 240
 naggaagact tgcctgacna gtacgatgtt gtctttgacg ccattgggat gtgtgataaa 300
 ngcngtnaac gtgattangg gaaggacgga aagttgtggc attgactgga gctgtcacgc 360
 ctctgnttt tcnattcgtn gtnacntcta atggcaagtt tttgaangaa actt 414

<210> 10423
 <211> 215
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B12
 <400> 10423

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nttgtcactc tgtaattttg caccattagt tgttgtttca ttanttatga cgttgaaatg 120
 attcangcga gagataaaac atttgttggt ccttacggtg agatttaatt ttaacttcaa 180
 ggaagttttc atgaaaaaaa nnaaagaaaa aanng 215

<210> 10424
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B2
 <400> 10424

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 gaattcaccg gcgagagaga atgaatacgc cgatgtcact ctcgggcggc cgtggccgta 120
 tgctaccttt tttagagaag gagaaatcag aagaagagtc tgaaactctg gaatcgagtc 180
 tcttacagct aatcgacgac aatcgtcgat catcgttaca gctccgggaa aaaaccgaga 240
 gatcgagaaa ggaagcaatc aggcacgcgg cgagaacggc ggatctgcta gtgaaggcgg 300
 tgaacggagg agtanaggaa tgtttcgta acgagaaacg gattgagtcg gagattagga 360
 atcttgccat tacggtggcg aaattcggca aacaaacnga ttcagttggc ttgcccgtca 420
 cgcaangccg ttaaaa 436

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 <210> 10425
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E2-B4
 <400> 10425

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 tagaaaggcg ttgaagcaga agaattgagct cgtggagacg ccaccatcgc ctgtctccgt 180
 caaggggaag tcagcgaagt ctttcgagca agatctgatg gagatgcaga caatgttga 240
 gaagatgaag atcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn cttcaagaag atgaaggaat tcaaacccta acatgacttt tgccttgcg 420
 tcaatcatct ctcaaaacaa ggctgagcca gaanaggng aattaggaag aagganaaag 480
 ggtt 484

<210> 10426
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-049-Q1-E1-G12
 <400> 10426

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 ttctggtata ttctggagac agatattgtt tttcttcttg attagagaat aatatgacgg 120
 aagtgattag caaaacgagt ttgttcttag gagcttgtgg taatcatcac cgtgttgatg 180
 atttcncttt ctctccggtg agttttggtg ggtttggttt gaaaaagagt ttctcttgtc 240
 ggaagcttaa gagtcatgaa gcctctnaga aatgtncttt acggaaaaca natcgttttc 300
 ggagattctc aagacgagna gcttcangan gatnatcanc tatcacagct cagacaactt 360
 tgaggattgg gacagctcag aaggtgggtg ngagaaaagg c 401

<210> 10427
 <211> 174
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G2
 <400> 10427

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 ttatgaggaa agtcacgtat gttgcttata tttcttcttc ttgttaaaac aaagccaatc 120
 ttaatgcata atatatcttg gttgtcnnnn nnnnnnnnnn nnnnnnnnnn nngg 174

<210> 10428
 <211> 407

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G3

 <400> 10428

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 agtccaatta ccatggaacg tgatgattcc agctgaaaac atggatgcca aagggtgat 180
 gttgaanaga gctatactag tagagttact aagaggcggt tgcttccaan gaaagcaacc 240
 aaggagcttg gctactacgt ggcagtcaca actttggaca agattggaga aggcaaaatc 300
 agggagcaca ccggtgaagt tttgttcccg gtaatgttca ncgggaatga ctttcaagat 360
 cttcaaagga gnagataatt cacgngtggt gtgcacaacg tgtttgn 407

<210> 10429
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G8

 <400> 10429

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 atccccgttt ccgttctcaa gaaatgcgta taagactgag taatggcgaa ccagaaaagc 180
 cactagtgat tcatgtaggt cgcattggcg tagaaaagag tttggagctt ttaaagagt 240
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 atcttgagaa gttgtttacc ggaatgccag cggttttcac tggaacgtta caaggcgatg 360
 aactctcaca agcttaccaa gtggagatgt gtttgtgatg ccatcagagt cggagacact 420
 tnggcctgtt gggntctgaa gcantgtctt canngacttc ctgtcgtcgc gggcccgttc 480
 ccngtgga 488

<210> 10430
 <211> 380

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-H3

 <400> 10430

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caattgtgat ccgtcagcaa tgcttgatct ttaaattttac tgatatctga agatcgaatt  180
anggttctga tctacttgat atttatttgt ttgggctttt attcagcagc tcgatcttgg  240
gctgaagcta tggctcagag taattgggaa gctgacaaga tgcttgatgt ttacatatat  300
gagntatttg gtgaagaaga aacttcatan tactgctaan gtcgtttatg actgaaaggg  360
aaaggtttct cctgaatcca                                     380
  
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<210> 10431
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-H6

 <400> 10431

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gtctctgctt tgtcggtagc tacaggagtg aagagagttt ctacaagggt tttaatggaa  180
gatgatgact ctctttcttc tcgggatttg gatgcacaga acccttatga tcgattgctt  240
gctctagata caagtaccgt agatccaaat tgtaacttgg attcggtttc tgccatttat  300
ctaacgatga angagntcta agctgggatg tgtttgacga gcgtgggtca anattccctt  360
aatacttcgg tatngcatng gagggatgaa ganggattaa ngaagctcga tgaagttgat  420
cctn                                                         424
  
```

<210> 10432
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A1

 <400> 10432

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 ctcttccgtc gttggaccgc cccttccagt aaccgccggt ggatctgtga aggagccgag 180
 gtatagaggc gttaggaaga gaccttgggg tcgattcgca gctgagatcc gtgatccatt 240
 aaaaaaatct cgtgtctggc tcggtacttt cgattccgcc gtagatgctg caccgcgtta 300
 cgataccgcc gcacgtaacc tccgtggtcc aaaggccang accaatttcc cgatcgattg 360
 ttctccttcn tctcctctcn aacctctcac ctacctccac aatcaaaacc tctgttctcc 420
 tccggtgant caagaaccag atcgatccgt ttaatggacc atcggttata cggcggagggt 480
 aatttccaag gagcaaccag caagcca 507

<210> 10433
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A4

<400> 10433

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 accaacccaa tcaacgaagt ttggcttctc gtcttcttca catagatatc cattactcta 180
 ctcggtgtaa tctcacgct ccaatctcag attcgcttct cctccttctt cagtttcgac 240
 agctacagaa actggagaag aaaactctaa atcgaccggg aattacgcgt ttctaagagg 300
 aatcgtttcg taccgggagg tttttgaagt aacgatgagt taagagaagc ttaaaactct 360
 tgaaggattt gcgtattttc aagagcttga atctggatcg atgtgggttc gagttatgag 420
 acatgaagag atggattcaa cgggtgcatct attggctgaa gtcatttggt gaatcgatgt 480
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<210> 10434
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A5

<400> 10434

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agaggggtctt gttacgagcg gcaagttatg gacaagcttt ctgcagcaat tttcagcgtg  180
aacgtgtcca agagacttgt agaacgttac gggtttttaa tgcggttcgt gatcctgcta  240
ttggcatacc tcttagcatt cagcagtaca agttactgac accagtgggt ttgattagtc  300
gccttattaa tgctaattgt caccttcttg ctctgcggat atctgaagta cttagatatg  360
aataaagaag tggtgataat gcattgggca tgtgcaaaga taactgcttc accatcaact  420
ccaaattctc atcttcttga aattttacnt gataagctcc aaactatgca aaaggaatat  480
cgtatgcn                                         488
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<210> 10435
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-A6

<400> 10435

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ctgatgtggc cacctcaata gcaacatgct taaatgtcct attggggaca cgtctgaca  180
ctgagagtgt atacgatgaa aagattaagt ggacctgggt ggaaacgttc atttccaaga  240
ggtttgggtg ggattggaag catgaaggct gccaggaact gagaaaattt tccattctta  300
gaggactgtc acacaagggt ggactggagc ttgttcctaa agactatgag atggacacgt  360
cttatccttt taagaagttt gatattatca gtatgggtcc tgtgtataag cacgtagcat  420
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aaactggang atgctgtcaa tt

502

<210> 10436
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-B3

<400> 10436

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tgatgtgatt gtccttgagg ctggtcttaa ggagtgtatc cttagtggcc tcctctctgt 180
cgatggcctc aaggtactac atatggatag aaacgactac tatggaggag aatcatcctc 240
tcttaacctc actcagctat ggaagcggtt taggggaagt gacactcctg aagaaaatct 300
tggagcaagc agagaatata atgtcgatat gatcccaaag ttataaatgg gctaattggac 360
tcctttgttc aaaacccta atccaanacc cgatgttacc aaactatctt aactttaagg 420
gcgtttgatg gggagctttg tccaccagaa aaagcaacga tntaacaagn tccaagccac 480
tggatgtnga aagccccgaa atcgnccat 509

<210> 10437
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-B4

<400> 10437

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atcatctccg ttaaacccta gcgattggaa tacggatata ctccaaatgg ctttcttaag 180
taaagttgga aggttattca gtcagaccag cagccatgtc actgcctcta gctcgatgct 240
acagagcatc cgttgcatgt cttcatcaaa aatctttgtt ggaggtatct cctacagcac 300
tgatgagttt ggcttaagag aagcttttag caaatatgga gaagttgttg atgattattg 360

tggaccgtga aacaggcaag atctaggggc tttgctttcg taacatttac ttcgactgag 420
gaggctagta atgccatgca attggatgga caggaccttc atggtcgaag aattanggtg 480
aattatgcaa ctgaaagagg aag 503

<210> 10438
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-048-Q1-E2-B6
<400> 10438

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ggtttttacaa tatctatccc cttaaagtttc ggaaaattct gtttttctgt tctcattctt 180
cgtgatcttt ttcactttct tcaaaaaaaaa aacatgtgtg gaatacttgc cgtgttagga 240
tgttccgatg attctcaggc caagagagtt cgtgttcttg agctttctcg cagattgagg 300
cacagaggac ctgactggag tggcttatat caagaacgga gataattact tggcccatca 360
acgtcttgcc gtcacgac ctgcttccgg tgatcaacct cttttcaacg aggacaagac 420
cattgttgtc acggtgaacg gagagattta taaccatgag gagctgagaa aacgtctgaa 480
gaatcacaag ttccgtactg g 501

<210> 10439
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E2-C1
<400> 10439

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tactctcga ggtcgagtcc tctgacacca tcgacaatgt caaggccaag atccaagaca 120
aggaaggaat cccaccggac caacagcgat tgattttcgc cggaaagcag ctggaagacg 180
gacgtacctt agccgattac aacatccaga aggaatcaac gcttcacctt gtccttcttc 240

tccgtggagg tgctaagaaa naagaagaag aagacctaca ccaaagccta agaagatcaa 300
 ncacaaagca cangaaagtc aaactcgctg ttcttcaant ctacaangtt gattgttcan 360
 gtaanggtca nccnttttga ggaaggaatg ncctaacgca aacctgtggt gctgggactt 420
 tcatggng 428

<210> 10440
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E2-C2
 <400> 10440

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 gtcaatgcag aatcaacacc tcgtgggttc cttctacaac caagaactca aactcactta 120
 gattttccca agttagtttc tgtaagtaa ctctgggata agtttgagga ttcaagaata 180
 gtaaacctat tagccctgtc tttgctcttg aagcaacttc ctccaaggag ggttgtttgc 240
 aaagctgctg ctggtgtgtc aggtgactta cctgagaagt actcctaagg aacttagtca 300
 gtatgaagaa gattattgag cttttgacaa ccctttttcc actttgggtt aatttgggaa 360
 cacttgttgg gcatcttcaa gccatccttg gttacatggt tggaaacaga tttctttact 420
 ctangtcctg gat 433

<210> 10441
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-G10
 <400> 10441

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 tgaaggccga tgtaaagca catcttaca aaaagactga acacgttctc ttttgagtc 120
 tcaactgtgga gcagcgatct acctacaggg cattccttgc aagctccgaa gtagaacacg 180
 atttttgatg gcaacaggaa ttcgctttat gggattgatg tgatgcgtaa cgatatgcaa 240

ccaccctgat ctacttgaga gagaacattc tcaccaagaa cccagattat ggnaacccan 300
 gaacgcagtg ggaaagatga aggttggtgc ngaangtgct caaggtctgg gaaacagnan 360
 nngacaccgt gtacntctgt tttcacangc tcagcaaagtg cctgacatnc ctccgag 417

<210> 10442
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H6
 <400> 10442

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 ggaatgactc cgatctccgg tcatttcggg ggtttgagat ctatgtcttc atgggtggaag 120
 agcgttgagc ctgctcctaa agatccgac ctcggagtta ccgaagcttt tctcgtgat 180
 cctagtcttg aaaaagttaa tggttggtgtg ggagcatatc gtgatgataa tgggaagcct 240
 gttgtcttgg aatgtgtcag agaagctgag aaaaggcttg ctgggagcac tttcatggag 300
 taccttccta tgggaggaag tgccaaaatg gtggacctaa cattgaagct tgccatggg 360
 gacaatagtg aatttatcaa agatanaaga attgctgcag ttcanactcc gtccgggc 418

<210> 10443
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-A11
 <400> 10443

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 ccgtagaatt caccggagac tgaacaaaaa tcccgtgagt ttttttagttt tccgttacat 120
 tctctgtctc aattctgaaa cttttcacat gggttgtgct caaatttcct ttttaatggg 180
 tgtcgangat ttatcnataa agtcaatgat cngggtttga tcaaagtctc aatctttctc 240
 ttaaatttcg aanatttgat gatccacga gttagtctct cnaaatctga tctggctatg 300
 cttaatcngc cacattgttg cnntcaagct ctggatttga ttggtntcan tgaaaagtta 360

tccanttgga

370

<210> 10444
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E1-A6

<400> 10444

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agcaacatgc ttaaatgtcc tattggggac accgtctgac actgagagtg tatacnatga 120
aaagattaag tggacctggg tggaaacgtt catttccaag aggtttgggt gggattggaa 180
gcatgaaggc tgccaggaac tgagaaaatt ttccattctt agaggactgt cacacaaggt 240
tggactggag cttgttccta aagactatga gatggacacg tcttaccctt ttaanaactt 300
tgntattntc agtatgggtc ctgtgnataa cgcacgtaan catgttcac cgcagntgg 360
ggcgcacttt ggttgaanc 380

<210> 10445
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E1-B3

<400> 10445

ccacgcgtcc gtangagatc gatgaaggat taaagacgat caataacgga gatagagatc 60
gattacaata atggatgaag agtatgatgt gattgtcctt gggactgggc ttaaggagtg 120
tacccttagt ggccctcctc ctgtcnaatg cctcaangta ctacatatgg atagaaacga 180
ctactatgga ggagaatcat cctctcttaa cctcactcag ctatggaagc gttttagggg 240
aagtgacact cctgaagaaa atcttgggaag caagcanaga atacaatgtc gatatgatcc 300
caaaagttta tagggcctaa ngggactcct tgtncnaacc cctaatacaa cacnantgt 360
ttaccaaggt anccttaact ttaaagggcc cgttgatggg nagcttttgt ccacaa 416

<210> 10446

<211> 396
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-B6

<400> 10446

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cttcgtgatac tttttcactt tcttcaaaaa aaaaacatgt gtggaatact tgccgtgtta  180
ggatgttccg atgattctca ggccaagaga gttcgtgttc ttgagctttc tcgcagattg  240
aggcacagag gacctgactg gagtggctta tatcanaacg gagataatta cttggcccat  300
caacgtcttg cngtcatcga tcttgcntcc gngtgatnaa cctcgttnca ncganngaca  360
aagaccaatn gtgtcacggg tgaacgggng agattt                               396
  
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<210> 10447
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-048-Q1-E1-B7

<400> 10447

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taaagcctca atctgcaagc tttttggcaa gtgggtatca gaatttgaac aaggagttct  180
atggaagagt ttataagagt ctgcaatctg ggactgggaa agcgagcagg tcacgggtaa  240
agatgatgcc aataggaaca ccgagagtac cctacagaan ccgagaagaa tggacttggn  300
aatgggttga tanatgnaaa tgccctttat cgagagcgtg tnntcttcan tggacaaaac  360
nttgaatgaa gagtttagca ngcagnatnt naccaancat gttggtnect tgatacgccg  420
tgatgnactc                               430
  
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<210> 10448
 <211> 427
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-C2

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gtcaatgcag aatcaacacc tcgtgggttc cttctacaac cagaactcaa actcacttag 120
attttcccaa gttagtttct gttagtaact ctgggataag tttgaggatt cagaatagta 180
aacctattag ccctgtcttt gctcttgaag caacttcctc caggaggggtt gtttgcaaag 240
ctgctgctgg tgtgtcaggt gacttacctg agagtactcc taagggaact taagtcaagt 300
atggagaaga tattggagct ttgacaaaac ctttttttcc aacnttgggg ttaactttgg 360
gggaacactt gttgggnatc ntcaaggcca tccttgggggt tacaagggtt tggaaacaga 420
tntcttt 427

<210> 10449

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-C4

<400> 10449

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cgcgaaattt ctctcaaaac tcaatctact gttcctatth cgtgtaggcg tagtaggttt 180
gacttcgttc ctcgttgcgg catttcgtcg aacgatttgc ctactgagaa aaagaagagc 240
tttggggagt gggttgagtt tgtgggaaag gcggtttcga cggcgtttcc gatatgggtt 300
tctctgggga tgcttgntgg gactgatgag gaccanagta ntttcaaag gggttacca 360
aatttggncc attgtncgnc ttacnaatca nnaaggcntt gggaatggga atgacctttg 420
nccccctg 427

<210> 10450

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-C7

<400> 10450

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cgtnaactc gcttatgagc tgtggcatag cgcgcgtgta cccttcgctt ctctcttctt 120
ccaagtctaa attcgtatcc gccggagttc cactccana cgccgggaat gttggtcgta 180
tcagaatggc tgctcactgg atgcctggcg agccangacc agcttacctt gacggttctg 240
ctctgggtga cgttgggttt gaccacttg gacttgaga agttccagcg agccttgana 300
natacaacng agtcagagct catccagntg tnntatgggc tatgctcgct gttcctgngg 360
attttggtag cangaacgcg ttaggaatat gcgaaactgg ggtttaacng ctccangaaa 420
nggnggannc actaccaagg ggctcaagcc 450

<210> 10451

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-D6

<400> 10451

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nnnnnnnnnn nnnnntttcc agtagtagac ttgtccaagc tcaatgggga agagagagac 120
caaaccatgg ctctaataca tgaagcttgt gagaattggg gcttctttga gatagtgaac 180
catggattac cacatgactt aatggacaag atcgagaaga tgacaaagga ccattacaag 240
acatgccaag aacanaagtt caatgacatg ctcaagtcca aaggtttgga taatcttgaa 300
gacagaagtc gaacattcca ttgggaaagc cactttccta ngttcgtcac ctncncant 360
ccactcncaa ttgncatttc agatggtgtc tgattgaana 400

<210> 10452

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-048-Q1-E1-E1

<400> 10452

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ccacgatcgt gttaggtcac gggttcggca cggaccagtc agtatggaaa cacttggttc 180
cacatctggt cgacgattac cgcgtcgtcc tctacgacaa catgggagcc ggtacgacca 240
accctgacta tttcgacttc gatcggttact caaatctcga angctactct ttcgatttga 300
ttgcaatctt ggnagatctc aagattgagt cttgtatctt tgttggccac tctggtttct 360
ggccaaggat tgggtgtcttg gcttctcctt aaccgcgtcct gatctcttcn cnanaantcg 420
tcatgatccc tgcctctccg agnataa 447

<210> 10453

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-E4

<400> 10453

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atcacacttt ctacaacgag cttcgtgttg cccttgagga gcaccagtt ctactcacag 180
aggcacctct taaccctaaa gctaacaggg agaagatgac tcagatcatg tttgagacat 240
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gtacaaccgg tattgtgctc gattctgggtg atggtgtgtc tcacactgtg ccaatctacg 360
aggggggatg ctcttcenca atgctatcct tcgtcntgat ncttgcgggg tcggggatnt 420
cacagactca ctccatggaa cnattctcac tgaaganaag gtttacatgt tcagcaacta 480
ccggcaggna cgggaaaatt t 501

<210> 10454

<211> 475

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-F1

<400> 10454

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tgactcttgg accagctggt cgtgaaggag agcaagtctt tggagttggt cacgtctttg 120

cttcattcaa cgacactttc attcacgtga ctgatttgtc tggacgggaa acacttggtc 180

gcatcactgg tggaatgaag gtgaaagccg acagagatga gtcctcacct tatgctgcta 240

tgcttgccgg acaagatggt gctcagcgat gcaaggaact tggaatcact gccatacatg 300

tgaaactccg tgccactggt ggtaacaaga ccaagacccc tggacctggt gctcagtcctg 360

ctctaagagc ccttgcccgt tcttgggcat gaaaattggt ccncattgan ggatgttgac 420

tcccaatccc caaccnnacn attaccgcga gaaanggggt gggaanaaag aggaa 475

<210> 10455

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-H4

<400> 10455

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ntggtgggaa gatcgataaa tccgatgttc tcaccgncgt cgaaaagtat gagcaatatc 180

atgtcttcca tggatggaaa cgangaagag agaaaagcca attataccga catggttaat 240

angtactatg accttgctac tagcttttat gantacggat ggggagaatc cttccatttt 300

gcacaaagat ggaaangana atcgcttcga gagagtatta agcgacacga gcactttctt 360

gctcttcaag cttggnatcc aaccaggaca aaagggtactg ggatgtanga tgtgggaatt 420

ggtggancgt tgagggaaat tgcaagantc agc 453

<210> 10456

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-F6

<400> 10456

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aaatgacgat gacacaccgg cgccggggaa tcagtttgcc caattcggag ctggatgttt 120

ctggggtgtc gagctggcgt ttcagagagt cccaggggtg actcagaccg aggctggata 180

caccaaggg accgtagaca atccttcata cggagatgtt tgttctggta ccacaggcca 240

ttcggaggtt gttanggttc aatatgatct taacgattgc acctatgagt ctctgctttg 300

atttgttctg gtctaggcat gatcccacca ctttgaaatc nccagcggaa atgncctggg 360

aancccaatt cagattcngg aantatacct tctacncacc ccgaacc 407

<210> 10457

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F1

<400> 10457

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gatcagtggg tgttacctga gaaaccctag atttcaattc ccaacacctt aattttgttc 120

gacaaacca agaagattcg atgggtaaga acgattttct aaccccaaag gcgattgcga 180

atcgaattaa agccaaagga cttcaaaagc ttcgatggta ttgtcagatg tgtcagaaac 240

aatgccgaga cgagaatggg ttcaagtgtc attgtatgag cgaatctcac cagaggcaga 300

tgcaagtttt tgggcagaat ccgactcgtg ttgtcgatgg ttactctgaa taattcgagc 360

agacgtttct cgatctgatg aggcggagcc accgtttctc tcgtatcgct gccactgttg 420

tctacaatga ngtatattaa cgataggaca tcatgttcac atgaattcga cng 473

<210> 10458

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-047-Q1-E1-F10

<400> 10458

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ctgttacgtc cattgcagct tctgcgacac tgtccttgct gtgagtgttc ctccgagtag 120
tttgttcaag acggtgacgg tcagatgcgg ccaactgttcg aaccttttgt cggtgaccgt 180
gagcatgaga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn naaatctttt ggaggaaatg cgaagcggag ggcagaatat 300
aaacatgaac atgatgatga gccatcacgc ttcagctcac caccgaacg aagcatttgg 360
ttatggcgac tcgcaacgga aagatcagtg gatcatctac aagagatgcc tcggccacca 420
ccagccaata gacccccaag aagaagcgac aan 453

<210> 10459

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-F11

<400> 10459

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tgttattagc aaccatagag gattgggagg agtttctgtt acttcagatt gcttctataa 120
tgctggatgg acagatgata taagggtagt tcttgattat cttcaacaca aatacccgag 180
ggctcctctc tttgctattg gcactagcat tggagcaa at gttctggtaa aataccttgg 240
ggaagagggt gaaaagactc ctctgagagg tgctgttgct atctgctctc catgggacct 300
cttgattggt gacaggttta tctgtcggac tttgaaacaa aagctctatg acaaagctct 360
caccatcgga ctccaagggt atgcccaatt gtatgtccac caagaactgc c 411

<210> 10460

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F12

<400> 10460

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aaagtcagct tcatacctaa ctacttgggt ccaaaggagc ttcttatggg tgttcttgtt 120

gagatggaga atgaagagat gacacaggct gttatctcta ctgtctcaca gttacctttc 180

atggttgctg gtatgccaa gctgtgaga gcttgtgctg ctgagcctaa tatgtttgtt 240

gataaaccga agaagcctgg tagaacggtc cgttttcgct ggattaagcc taacgatcct 300

gatttcgaca aggccaggag agtcaagcgg cttgctcgta agcatagtgc tgaaaattcg 360

ttcatgctca agcttgagga ngcagagaag ctgtcganac agcaagctga gacngcggta 420

acacatcaca agaagtttga g 441

<210> 10461

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F2

<400> 10461

acgggtcgag gcccggtcc gactgcanca agtanaaagc ctacgaaaat agcatcngan 60

caaangacaa actcaccgag taaacatacn caacctgtcg tgtaagtaaa aacaatttga 120

tagtgatctc tctatgtttg gtggaggaag agggcctatg ggtggcggcg gaggtatgtt 180

acgcgccgcc ggtcgtgcca tgacgangac cgggtgtancc aacggtggta ttcaagatnc 240

ctttgcttct tcatcatcat cgtccacgtc gtctccggct ggaaacgcct ctgtttcgca 300

tgtccanaaa canagatctt cttcttcngg gtcganataa tctgacgtat tccgcggctt 360

ctgggttgtt gttgaatcct tccggtggct gcaanctccg gatggagcca gcggcgggtcc 420

ttnttcctt tg 432

<210> 10462

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F5

<400> 10462

acgcgtccgc ggacgcgtgg gggagatcgg aagctaacac gggaagattt agccggaaga 60

aatggcttcg ttaggtttca acctcggctt caccttctcc aatgcacaaa ttcagcagca 120

tcgaaaagtt tccggaggtg gaagagctcg cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcaaagg 300

ctgtgagtgg agataagctt ctcagaagca ttatgcagga taacaaaatt gaactctacg 360

ctgcttacgg gaaagtgatg aactgtggtg gtggangaag ctgtggaact tgc 413

<210> 10463

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-G11

<400> 10463

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cgattgtttc atcgancgaa tattatcagg gatgtattaa atcttccgtg cgccttaccg 180

catatganta aaccatttga ccacatnaga caaatgcaaa agaactaaaa agagtctggt 240

ttctgttctg tcctaatttc tctctggcga aagctaagag gtttcgggta cggtcncat 300

ctccgatnaa atcacnaagg tttctatcgg gaattttcag tgatncatac cgtcaggaga 360

tttccttacg angagaattg tcgccgncat nctaaagcaa gagttttggg tgggaaa 417

<210> 10464

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-G2

<400> 10464

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ttattaggtt cagttccttt tcgattcttc gtgtggatcg ctgtcggttag atttccgatt 120
 tcttttaggtt ctgctcgaaa tcgtggttta gtgtttatta tcatcgattc agaaaacggt 180
 gggtaaactt gtagcggaag atgaggcggt ggccggtgga tcaccggcgg cgaggtanaa 240
 ggagattgtc gagttggata tggtttctcc ttggttcttt ctctgtcgct ggttttagttc 300
 tcttcacgt tcagcattat caccatcaac aagatccatc ccagctttta cttgagagag 360
 acacganaac cgaaatgga tctcctcccc atttaaactt cacggaagag gtcacaagtg 420
 ctctctctt ctctaggc 438

<210> 10465
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-G3
 <400> 10465

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 ccggtttcgt ttcaccggat ttgggtctctc cggcgacgga gaatagccac catctccgta 180
 gaaaacagta tacttgatag ctgaggaaca agagaagtga caagggtgat tgaaaagttg 240
 aaggactcag atgggaagca gaagcggaga acaaggaaag cgaatggcgg aactgagcaa 300
 aaatcttaaa gaagtgaga ggattctgga gccacacgt agacctgatg gtactctccg 360
 gaaaccatt cggattcgac ctggatatac tccagaagat gaagttgtca aatatcagtc 420
 caaaggttct ctgatgaaga aggagatggc ctcaaacagg cctccaggtt atgaac 476

<210> 10466
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-G4
 <400> 10466

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cggcttgtgg ctacgatgca tagaatgaga gatttcnaca tggngatcac tttccatttc 120
 gagagttctg ttataccttt catttctaga gtggcgctt cggatactta taanatttgg 180
 nagaggggtg cgaatcttan nagcggatat gacactggct gggtttgatg gtttcaggat 240
 tcaaagatcg gatcaagact atactttttc ttggagatgg gtcagaggat ggtaaagtcc 300
 cttccgggtc tcttcttatg atatcacata aggataanga gatcatgaat gctctanacg 360
 gtgctggagc tgccgcatca gaagaagaat tcgtcaagaa gtggctgcaa tgtccaaaac 420
 aagcattttc a 431

<210> 10467
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-G8
 <400> 10467

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 ttctttttac taagggtctt gcttcgattc cacagaaccc aaaacctcta tttctctatc 120
 ttcatccaca aaaatgccag cttctgaaga tagaagaggg aaatggaaaa ggaagaagag 180
 aggggggtta tcggcggcga ggaaaccgaa acaagaggag gaagatatgg aggaagaaga 240
 cgaagagaat aacaacaaca acaacgaaga aatggatgac gttgaaaatg ccgatgagct 300
 tcagcaaaac ggcggcgcaa ctcccgatnc gggacttggg attggcgagg tagttgaaga 360
 ttctggttcg cgcattctctg atttcccggc agtgggtaag cgtgttgtga tcc 413

<210> 10468
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H11
 <400> 10468

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cgatcatggc tattgtcgcc gttgagcttc ttcggatggg tectgaagag atccttaatg 180
 tttggaattc actccagttt gacctagtgc aggttctang ttcttccttc tttgtcatct 240
 tcatctccac tgtttacttc atgtccaage cacgcacat ctacctcgtt gactattctt 300
 gttacaagcc acctgtcacg tgctgtgtcc ccttcgcaac tttcatggaa cactctcgtt 360
 tgatcctcaa ggacaagcct anagancgtc gagttccaaa nggagaatcc tt 412

<210> 10469
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-047-Q1-E1-H12

<400> 10469

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 ttttactcaa atctttaccc acaattttac cagttctctt gtccacaagc tgatgagatt 180
 gttatgacgg tgctcgaaaa agccatagct aaagaaccaa gaatggcagc atctttactc 240
 agacttcact tccacgactg ctctgttcag ggctgtgatg catcaatctt gttggatgat 300
 agtgcaacca taagaagtga aaagaatgct ggaccaaaca agaactccgt tagaggggtt 360
 caagtaatcg acgaagatca aagccaaact tgagcaagct tgcctcaaa ctgtc 415

<210> 10470
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-H3

<400> 10470

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 ggaaggctcg tgctaagttt acggcgagac caagttgact catcaacagt cgtctccgga 180
 agtagtancc accacgagcc aagcaccatg gaggttgagc tanattcgtt tcaagagaca 240
 agtcgctgag aaattcatcg atctcaacgc ttcttcaaac gaccttctct ctctcgaatg 300

gatcggaaag cttcttgatt ctttcctctg ttgtcaagaa gagtttcgag ctatcgtatt 360
 caaccaccga tctcagatct ctaaattctcc gatggaccgt ttgatttcag attactt 417

<210> 10471
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-047-Q1-E1-E9
 <400> 10471

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 tattaggaga tgccatagat tacatgaaag agcttttaga caaaatcaac aaattacaag 120
 atgaggaaca agaacttga aatagcaaca attcacatca ctctaagctc ttcggtgatc 180
 tcaaggatct taatgcgaac gaacctctgg tcagaaactc accaaagttt gaaatagatc 240
 gtagagacga ggatactcga gttgatatat gctgctcgcc aaaaccggga ttgctactat 300
 ctactgtgaa tacattagag actctaggct tggagattga acaatgtgtt ataagctgct 360
 ttagtgattt ctctttgcag gcttcttggt ctgagggagc tgagcagana gatttcataa 420
 catcaagaag atataaaaac aagcattant caag 454

<210> 10472
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A2
 <400> 10472

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 tcacactcac aacactctct ctctctgcc ataactcagc ctgagatgtc tccggaagct 120
 tacgttctgt tctttaacag ttttaacctc gtaaccttcg aagcctttgc ttcagtctca 180
 cttatcatag ccacagttgc tttcttgctc tcaccaggtg ggctcgcatg ggctggacc 240
 gggcatcca agagtcgggt ttcgattcca ggaccatctg gttctctttc cgtcttctcc 300
 ggctccaatc cccaccgtgt tctcgccgct cttgctaaac gtttcaaggc ctctccgttg 360

atggcggttct cagttgggtt ttcgcgtttc cgttatctct agtgaaccgg agacggctaa 420
 agagattttg agcagctctg cttttgctga a 451

<210> 10473
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A4
 <400> 10473

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 aattgcagaa gaagaagagt catgaatggt gaagaaagct ttgtagaaga ttgctctggt 120
 tttgttgaga ttgatccttc tggaagatat ggaagatacg atgaaatact tggcaaagga 180
 gcttcaaaga cagtatacag agcatttgat gagtatgaag gtatagaagt agcatggaac 240
 caagtaaagc ttcgaaatct cacaaggaat cctgaggaat tagagaagtt tttcagagag 300
 attcatcttc tcaagacttt gaatcatcaa aacattatga aattctacac ttcttggggt 360
 gataccaaca atttatcaat caattttgtc actgaactcc tcaactcctg ggan 414

<210> 10474
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A5
 <400> 10474

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 gcactagatc agatccagag cttgatgatg acttttagtga aatctacaag gagtatactg 120
 gtcttgcaag tgctgtgacc aacaacaata tccaagacaa agacaaacct gtcaaacaac 180
 gttctgaaga aagatgtgat gaagaagaag agcaacttcc tgatcccaac tctgtaccaa 240
 ctgatttcac tagccgtgaa gctaagggtt gggaggctaa atccaaagct actgagagga 300
 attggaagaa gaggaagag gaagagatga tctgtaaaat ttgtggcgag tctggtcatt 360
 ttactcaggg atgtccatct acacttggtg ccaataggaa gtctcaagaa ttccttg 417

<210> 10475
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A6

 <400> 10475

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cccacgcgtc cgcgaattct aaatcggaga ctaaactga ctccgatgag cctaaaggat  120
ctggtttcga tcctgagtca ttggaaagag gtgctaaagc tcttcgtgaa atcaatagct  180
ctcctcattc caaacagggtg tttgatctaa tgcgaaagca ggagaagact cgattagctg  240
aattagcggc tgagaaagaa cataatgaag ctattcaagc tagcaaggac attgaaagac  300
agcggaaatt ggcagaggat cagagaaatt tagtgcagca acaggcccaa gcgaaagcgc  360
aaaatcttag atatgaggat gagttggcca ggaagagaat gcagacagat aatgaagctc  420
agagacggca taatgctgaa ttggtttcc                                     449
  
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<210> 10476
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A7

 <400> 10476

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tcgcaattct tcttcctcct gtcggagttt gtctcaggca tggctgttgc actgttgagt  180
tcttcatttg tttgatactg acttgcttag gctacttacc aggaataata tacgcaattt  240
acgcaatttg tttcttgcac cgcgatgagt attttgatga atacagacgc ccaatctact  300
atgttgcttg acctcttgat tgattcttgc tcttgagcac acatattgta ctttaaagtg  360
taatttactt gtatcctgga gataataata ccattttttt ttaagaaaan a          411
  
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<210> 10477
 <211> 354
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A8

<400> 10477

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 gccgtattcg acggcgacat taccggcctt tgagtcggat aagaatctct tctctcacgg 120
 tccagatctc agagctattc aaagagctac tactgtcact aaacgtcgag ctaggaaccc 180
 gaggtttgact cgtcagcgaa gatccgggtcc ttctggtggc agacgaagcc ggccggagac 240
 tcctttattg aaatggaagg tggaggatcg gaataaagag agaagcggcg ttgtagaaga 300
 cgacgattac gaggatgata atcaccaggt tgcgaggtca gagactactc gcan 354

<210> 10478
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-B12

<400> 10478

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 cacttccttc ctcatccaaa aaagctcctc catttcaatg gcgacagcat cagctctctc 120
 atcactctct tcaactctac tccacaccgg aacctcttct ctcatctcct cttectccac 180
 aaaatccatc gtctctttct cctccttctt caaccgncgc ttctcatctc tcaactctcg 240
 caaagcctca tcgaccgata ccganaccat cttcttcgan gacgaagcac caggaaataa 300
 ncgcaaatgt cgtcttcgac ccancaattg ctcccgaagg attcgtctct cctccgtatt 360
 tcgacgaagg aagcgacgaa nacaagagga agagatcgct ancgtttttg aaggagctct 420
 atggacctgc gtanagttgg tgagagtatg cttgggaaaa gat 463

<210> 10479
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-B5

<400> 10479

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tcttctgaag ttttcttctg tagcacaaat acggcgggcaa ttcaccggag aatctgttcg 120
tcgagacatc gaattcagag atttctgaga atttcccgag attccttggg aacgtccccg 180
tgaaactgtt gttgaagatt ttgaattcaa cgagattagg attcaaagct acgacatctg 240
gtaatcctcc ggtgaagaaa ttatcattga gattgaaaga gataagttgc agagcagcga 300
tcttttccgg tagttcaccg gttagattat tctgcgagac atcaaaattc ctcaattcgg 360
ttaaatttcc gatactctcc ggtaattttc canataaccg gtt 403

<210> 10480
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-046-Q1-E1-B7

<400> 10480

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aattccttca cattctctcc ttttctctt ttttaattcct caccacctca aattcttcac 120
aaacaaatcc acttctgcat ggntgggana atctgttagg agaatttttg ttgttggtgg 180
gttcagattt ggaaaatttc ctttttttcg agtttcttct gaattattca tcgtggagat 240
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tcttcnctg agggggtagc cgangetccg gntcggcgg tttttaaac cctaccttta 360
caaattctgg gaaattagaa aaaaaaagggt ttgatttttc aatttttgct ccgttccgtc 420
ctctcngaaa agtt 434

<210> 10481
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-B8

<400> 10481

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atctgacgac ttcgatccaa ccgccgtagt caccgaaccg ttacctcttc cggtaactaa 180
tggaatcgga gctgataaag gaggaggagg aggagaaaga gagatggttc tcggtaggaa 240
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taaanaagct tatatggcta nggtgttcttg ctcgttaccg ggaaactttg gttgaacgaa 360
ccaaaaacca tttaggttat ccttataact tgggatttcg actatggtgc gcttgggtca 420
gttacaacat ttttcgatta agaaancgtg 450

<210> 10482

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-B9

<400> 10482

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ccggacatgg acgtatcgggt aagcaccgta agcatcccgg aggtcgtggt aacncnggag 180
gtatgcntca ccacaggatc ctcttcnaca agtaccatcc aagttacttc ngtnaanttn 240
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anccttggtc actcgtccct gaatatgtna acgcgaaatc aaccantgac aatgttccgt 360
tgatccatgt gactcaacat ngtttcttca aagtttgggt aaaagtcatt tgcctganaa 420
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<210> 10483

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-C10

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ttcattgtca cctgaccatc agcccactgt gaaggatat gctagcctaa tcaaaccag 120
atttgccaat acgatagtga ggcatttatg taagattgct cctctagaag atcttcgtca 180
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atgtgcanan actcgttgat ccctatgagt tgagtccttt tattacacaa gtatgcaa 360
atgctgcggt atccaaagaa gagtgggaag aacaaagtaa gatatggcct acttcatttc 420
atccaccaac ctacaatata gatggcatcg g 451

<210> 10484

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-C2

<400> 10484

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acacagtcca gcttggttcg aaccacaaga ccttgagcat gttggagggt ccattgaacg 120
tgtgcttgat ttcatcctag gatggcattt ggctccaaca acttatggag attatccaca 180
atcgatgaag gatcgtgtcg gtcatagatt gccaaaattc acagaagctg agaagaagtt 240
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aattagccct gatcctaaga gtccgagttg gacnactgat tcnctgggtt gattggggat 360
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<210> 10485

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-C3

<400> 10485

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aatgggtttc gcatttgtct ttcgctgggc tacttgggtg tgctgggttc gtatttgccc 120

aacagcacgg tctattccgc aacttaaaca acttaaaact cttctccggg agagaaaaag 180

actccggaga cgattctttt ctcgtacctg gccttcaaaa tctcggaaat aactgcttcc 240

tcaacgtcat cctccaggct ctagcgagct gcaaagattt taggagtttt cttcaatggg 300

ttctagagga tgcgaagagg ttcgttagca ggagaacaag aggaacagct tcctcttact 360

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<210> 10486

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-046-Q1-E1-A11

<400> 10486

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tcacaaatgc tgtatcggct gaggaactgg accgatacct tgatttaaag aaattggntg 180

aaagagtgtg catgtttgaa gcagtttctg gatatgatgg gcgaggaatc aaagaaagta 240

tagaatggct ggttgagta atggagaaaa gcaagagaac cgaatcatta agagcccgtg 300

cagggtacan tcctgtgcca aattcatang acacgangaa aggactcgca aactcaactc 360

tccagtcaac tgggnttcct ttgaaatata tttgtagata agaacagacc acaatccttt 420

gcatcaattt tngntagcat caaattcccc tnga 454

<210> 10487

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E9

<400> 10487

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 aaaatccgag aacaagggtt gctttgattg tagtgcggaag aatccaanat gggcttctgt 180
 tccttatggg atcttctat gcatcgattg ttctgctgtt catcgaagtc taggtgttca 240
 tatcagggtt cgtcagggtca acgaacttag actcgtggag tcctgagcag ctaagaacaa 300
 ngatgtttgg aggggaanant cgagctcang tgttttttan gcaacatgga tgggaatgat 360
 ggtggntaag attngaggnt aagttatact tcaagagctg cctgacnatg tatagaac 418

<210> 10488
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-F1
 <400> 10488

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 ctaaaacaag aaactgagga agagcgttca gagtggagaa agttgtgtac ctgtctcaag 180
 tctgaatacc cagactatac tccattacta gctaagatcc tggaagggtt actgtctcgg 240
 tctgatgctg gggacaaaat cagccatcac gaagagatta tagaatgctg caaacgaagt 300
 agtacgcagt gttgacgtag atgagctagc aagattcttg ctagacaaaa ctgaaccaga 360
 agatgatgaa ncaagagaaa ttgaagaaaa aaatggaggt gacacgtgat caactggcgg 420
 atgcactata ccaggaaagg gttagccatg ggcgagaatc cagaatcctg aaaggggtng 480
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<210> 10489
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-F11
 <400> 10489

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ctaagcagat tactttggcg gagacccatc tgattggtat ttttgcagat attccgttct 180
tggagtacca actggcctgg agctacattc cttagcctgg agtaaataat aggctgaccc 240
tttgaaatca acatggtttc ctcaagaact taataacttt tcgctggttt ctgtcctgga 300
gcgttgttgt gtgtttggtc agnggtatna ataagtccaa ngcagggtcc acgangcact 360
ggngattcat ccgactggaa taaattatgc agatggagaa cccatcctgt n 411

<210> 10490
<211> 457
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-F4
<400> 10490

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cagattcatc atttacgacc acgatgctcg tctgtttgct tctcatcaag tcgagttcac 120
tcagttctat cccgaagctg gatgggtgga acacgatcca atggagatac tggaaagtgt 180
gaaagtgtgc attgcaaagg ctctcgacaa agccactgcc gatggacaca acgtcgacgg 240
tggtttgaag gccattgggc ttacagatca gagagagact actgtttgtt ggagcaaatc 300
cactggcctt cctctccaca aggctattgt ctggatggat gctcgtacca actccatctg 360
caggagacta gangaaagaa ctctcgggaa gaagatccaa tttgtggant ccttgcggt 420
ttccaataag caaaanactt cccggcaang aagcctg 457

<210> 10491
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-045-Q1-E1-F5
<400> 10491

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ggagctactt aaccatccgg ttttcatcgg ttactaaac cgatctgctc aagagtatgg 120

ttacgagcaa aaaggagttc tacaaatccc ttgccatgtc cttgtcttcg aacgaatcat 180
 ggaatcgctt cgtcttggac ttccggtacc gattgatgtt caggatctaa tcggtgacgg 240
 gactatttga agaagaagct tttattggaa ggaatcttgg tagttagaga agtttttttt 300
 tcttctagat ctggttgttt ttgttcagat actactgagt catcatactt cgtcgctgtg 360
 tcgatgtaaa taggtatata atttttccag gatccaaaag tggaaagaag gagacgcatt 420
 taagggattt tcttt 435

<210> 10492
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-F8
 <400> 10492

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 tcaacattgc tatgtatgga gctccttcat tggccattat taaagtggta aaaacaaaga 180
 gtgttgaata catgccattc ttgttgtctt tgggtctgtt cgttaatgct ggaatttggg 240
 ctacttactc gctcatcttc aagatcgatt actacgtcct cgcaagtaat gggattggaa 300
 cctttttggc actttctcag ttgatagtgt acttcatgta ctataagtca actccaaaag 360
 agaagacggt gaagccatca naagttgaga tttctg 396

<210> 10493
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-G1
 <400> 10493

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 tcacagagct ccactaatat ctgcttcttc ctcatcttca tcttcttccc aaaaccattc 120
 attcgtctct aggcctctcc ttctccttac tctacttcca gtttcccttg cttgtctcgc 180

ctttatctct caatggcgag gcggtggtct cgccgatect gcctctgctt ctgttcgttc 240
ctctacgtcg gttcctggcg gctccgatct caatcacgag gtctttcccg gcatggagac 300
tgtttcatct gtctcccaaa agtctcanca atctctctcc gactgctcaa atctagctcg 360
cagctcttct ctttcttttc cttactatgc tgattgggaa tttggtgttg anactagcnt 420
aaagcccaaa gatatgtntc acgaac 446

<210> 10494
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-G3

<400> 10494

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acatccccga cagtgttacc atcaagggtc acgctaaagt gatcgaantc ganngacctc 120
gcggaagct tgttcgcat ttcaagcate tcaacctcga tttccagctg atcaaggatc 180
cagagactgg aaagaagaag cttaagatcg attcgtggtt tggaacacgc aaaaccagcg 240
cctccatcan aaccgctctt agccacgtcg ataacttgat ctccggtgtt accaagaggt 300
ttccgttaca agatgagggt cgtgtacgcc cattttccca tcaacgcctc catcngcggt 360
gacngaaaag tctanccaag attcgtaann tcccttggcg aanaagaaag gnaaggaaag 420
gtt 423

<210> 10495
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-045-Q1-E1-G5

<400> 10495

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ttggcccgag cctcgggatc atcaaagtcc ccgggatggg tcttatctac acagagctcg 180

ccagcgggtgt tcctgccaca tttaagcact ttctaacaaa cttaccggcg ttctaccaag 240
 ttgtcgtctt tgtctgtgc aaaactgtcc ctatcccgtg tgtgccgcag aaagaacggt 300
 accttatcgg ccggattgga ccaaaaacat acaggatgta ccgatgcatt atccgagctg 360
 gctacaaaaga cgtgaacaaa gacggagacg actttgaaga cgagctgggtg atgagcatcc 420
 gccgagttta tccag 435

<210> 10496
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-G6
 <400> 10496

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 caacagaaaa gataaggaan ctgngttag ctgggaagaa tatagacaca acatgacttt 120
 caccaacatg gtttagcaatg aggtgcttcg cctagcaaac acgacccctt tgttgtttcg 180
 aaaggcgggtg caagatnttg agatcaaagg atatacantt ccggctgggtt ggattgtggc 240
 ngttgcacct tcagcgggttc attttgatcc tgcaatctat gagaacccat ttgagttaa 300
 tccatggaga tgggagggga aagaaatgat ttggggatct aaaacgttca tcngcntttg 360
 gatatggcnt tagnccttgn ctcgtcatat ttttcaccgg ttttaaattg aatccttccc 420
 cnaca 425

<210> 10497
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-H2
 <400> 10497

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 tgtgtgccc cactgatatg gtcaccgcca ttgctacacc ggtcgataac tccgacgtga 180

ttgtaacttc gtcgcgtgac aaatcaatca tcctctggaa actcacaaag gaagacaagt 240
 catacggtgt tgctcanegg aggatgactg gtcactctca ctctgttcaa gacgttggtc 300
 tctcctccga tggacaattc gctctctccg gatcttggga cngtgagctt cgtctctggg 360
 atctcgctac cggagaatct actcgtcgtt tcgttgggtca cacgaaaaat gttctctctg 420
 ttgctttctc taacgataac ccgtcagatt gtctccgctt ctcgngattc gtacgaatt 479

<210> 10498
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-H4

<400> 10498

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 ccttgaggag aagggttaggg agattgatgt tttgaagaga gaaattgaag gagttgtgaa 180
 agagaagatg gaggttgaga tgggtgagacg tgatcagagg gagatgattg tggngttgga 240
 gaaaaagctg ggagatatga atgagattgt ggagagtttg actaaggaaa ggganggggt 300
 acgtggtcag gttgttgggt tggagaagag tcctgatgag gttacggagg aagcgaaagc 360
 gagagctgag cagatcaatg aacttgatga agagaaaact gttaaggga tctgaacctt 420
 gaaggggtta atgggtggag aaccaattcn atta 454

<210> 10499
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-H8

<400> 10499

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 gttcgatgag ctttatcggg caagctgggc tatggatcat tgtgtcaacg aaggcgaagt 180

cacaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa gcaaatactt 240
 gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcagcag gaacagtcac 300
 tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttcgattttg agttcttaag 360
 gaacactacc gggcgaagcc ttacatagnc caagaccata tccacgttna acg 413

<210> 10500
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-046-Q1-E1-A10
 <400> 10500

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 caatcantga ttgttacaat ggtgatcttt ctagaaagct gatacttggg tacgcaacca 120
 anaccaagaa tttgaagccg ccacatgaat acgtaccatg ggtcacactc aanngcaagc 180
 cactcgatga cagcgtacan agtacggatg atctcgtagc tcanatctgc antgcataca 240
 aanggaaaga ctactctccc aaaagtttgc aattcatccc gcctcaaagtg tctaaantcg 300
 cctgagaagg aaatggaagc ttcaagtctc cttatgcaa taaagctacc aattattaag 360
 ttaactatca aacttcgtan tgaactaaga tggatttaag ctttaagtta taagtggaat 420
 gatgaataaa ggctgttc 439

<210> 10501
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-E6
 <400> 10501

gagtaccctg aaacagatct ttcgtataat cagtgcgta gagatcgaag acgatgatga 60
 gctctgcac cgccatgaaa gctgttgat ttttgcttct gcttaccatt ctaacattag 120
 cttatgcgaa gaagtcaggt gatgtgacag agttgcagat tgggtgtaag tanaagcctc 180
 acgaaatgtg atctccaggc tcacaaaggg gataagatca aggttcacta tccgggaaag 240

ttaactgatg gaactgtctt tgattcaagg ttttgagaga ggtgacccta ttgagtttga 300
 ngcttggaac tgggtcaagtc atcccaggat ggggaccagg gtttattggg agctngtnta 360
 ggtgagaaga gaaagttgan catccatcha agcttggtta tggatgatnag cgg 413

<210> 10502
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-C1

 <400> 10502

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 agttccttnc ttgtccgaca aactacttct tctccttcga taagccaatt ctgcgccata 120
 gatttttgaa atctactgcc ggaaaggctg catgcgatth caactccctt ttcccgggac 180
 aattcgcaag cttgtgaaga agatcaagag gtgaactctg agtgatgagt gagccaaagg 240
 tcaggcggtg ggttggcaaa tatgagggtg gaagattgat cgggtgaatgt aattttggga 300
 aactgcggag tgctgttgac acagagacag gagaccctgt ggctttgatg atccttgata 360
 aagacaaggt tctgaagcat aagatggctg aacaaataaa ggagagaaat ttcnattatg 420
 aagctgatta accatccaaa tgtnngtgca gctttatgaa gttttggcn 469

<210> 10503
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-045-Q1-E1-C11

 <400> 10503

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 ttcattccacc atatgtccag ctctgtttg taggcaattt tggaaagctg gaagctataa 180
 tgatgaattg agttcaaagt ctgagcagcc aaatggaaaa aattatcttc atgtgcaccc 240
 tatgttccct cactccaatg ctacctcaca taaatgggct tttggagctg ttgcagaatt 300
 gcttgacaat gctgttgatg agatccaaaa tggggccact tttgtcattg tagataaaac 360

cacaaatcca agggatgggtg caacagcttt gctaaattca agatgatggg gg 412

<210> 10504
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-C5

<400> 10504

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tttccgacaa cagcaatatt gacgctgata cgccttatgc cgaagttgag gtcataga 180
tgtgcatgcc acttctttca cctgcttcag gagttatcca ttttaaaatg tctgaaggac 240
aagccatgca ggctggtgaa cttatancca atcttgatct tgatgatcct tctgctgtaa 300
gaaaggccga acccttccat ggaagtttcc caagattagg gcttccaact gcaatatccg 360
gtanagttca tcagagatgt gccgcaacat taaatgctgc acgcatgatt cttgctggct 420
atgagcataa agtagatgag gttgttcaag acttacttaa ttng 464

<210> 10505
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-C7

<400> 10505

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gtctgggcca ctgaggatga ttacagccgt gtctgggcca taaactctga tggcgagag 180
tctccgagca agaagacacg atcttctctc tctccgaga tcgggaaatc gttcttcaag 240
acgaagcttt gcttcaaatt ccgcgccgga acttgccct actccgcgag ctcttgccac 300
tttgctcaca gcgcggagga gctccgtctt cctccgccgc cgccgnocaa ttggnaggag 360
acngtgacag angcttcang aaacagagaa agctttgcgg ttagtttagg cctcngtg 420

gaa

423

<210> 10506
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-C8

<400> 10506

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gtctacaatg aagtgagaat ttctaaagat aaacaaagaa aaacttgaga ctttagcaag 180
atggagactg tgagaccaat gggtgttgct cctaagggtg acaaactcag acgcaagttt 240
gctaaagttc ttaacattca taagctaacg ggtgttgctc cagaaggaga aatgaagaag 300
ataaagttcg attccaaaac cgctaagttg tctgagtcgt tctacaagct tgaggaagag 360
tatgagagaa gtcagggatt ggaagctctt cttgcgaagc tttttgctac ggtttcttcg 420
atnaaagcgg cttatgcgc 439

<210> 10507
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D1

<400> 10507

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gtgggcggaac ncgtgggctg actcactact ctcactctcc ggcgctttaa acttacgttc 120
tccgtcgttt actctgttgt aaaaatgagt tctagggctg gtccaatgtc taaggaaaag 180
aacgttcagg gtggttatag gcctgangtt gaacagttgg ttcaaggttt ggcagggagc 240
agactggctt cttcacaaga tgatgganga gagtgggagg tcattttcaa gaanaacaag 300
aacaaccag gaaacacttc tggaaaaact tgggtttctc anaattcgna tctctctaga 360
gcttgggggt ggtcagcaag caangggaga ngtaacaacg tatctgggag aggaaacaat 420

gtatccgggg agaggttacg gcaatgggtc cgggggattc aangctaaca tatnctggtc 480
cgggggacga nccgt 495

<210> 10508
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D2

<400> 10508

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gtgatganag ggatgagagc agtggagaag ccgcgcttac gccggtttat ctcaatgtct 180
atnatctaac gcctgtcaac aattaccttt attggtttgg gattggcatt ttccattctg 240
gtantgaggg tcataatttg ggnatattgc tatggagctc acgaantatc caacaaagtg 300
gggtatatga ggtggaacn agggaactgt ccaaggttca nctttangac ggtcnggttt 360
tactggggaa actaccanca tgtccccgtt cagatttccg ctcanaca 408

<210> 10509
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D5

<400> 10509

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acaaggtttt gtgattcttc tcaattatat ataatcttct gtatgcttgg aattggtatc 120
aaaatcgatt cttttaatct gtcattgaag gaactgggtt tatacattta tctctcaagt 180
catagaatct gcatttgtcc caagttaaga agagaatctt gtactgctcc ttatctatgt 240
tttgctctct ttaccaattg tttcaatgtt atgaacaaaa cccatatctc taaatagcaa 300
caatagtgat ttcatttaat aatggatttt gnctcctggc cccaatttat ntagtaanca 360
tggagcgggc tgattttctca tctcctctc angatcgtct cagaccttga tcacaccaag 420

gtt

423

<210> 10510
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D7

<400> 10510

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attggggagt gggctgcaga taagttacta ctagaaacaa agccagaaca cttagggtcac 180
tatatgttgc ttgcagatat gtatgcagta actggttctt ggagcaagct tgtaacggtg 240
aagactttac tgagtgactt gggcgtgcaa aaggctcatg agtttgcttt gatggaaaca 300
gattcggagt tagatggaga gaataataag ccgatgaacg atgattctgt catcaatcag 360
gagcaaagtt cagatnaana acgtcctgta gaantaggat a 401

<210> 10511
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-D8

<400> 10511

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aatgcataga cttaaagctt cctcgtgaac aagcctcttt ctgcactcaa gaatgtttca 180
aggcagcttg gagctcgac aaatcagtac atgtgaaagc tcagctgtct tcaatcggtg 240
atcaagaact ctgatcttat ttctcaaggc tggctctatt gcgtcaagaa aggccaggct 300
agaacaccta agcttcaca ctttgattgg gactgggcct ctaaagcaat atcccatatc 360
taccaagcgt gttgtgcctg ctgagattga gaaacctgac tgggcaattg atgggactcc 420
caaagttgaa ccgnataggat ga 442

<210> 10512
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-E2

<400> 10512

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catggatata tagcgggaaa atctgttgat agaatctcac ttcctctcca gcgaaacgtt 180
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gttactgaag aaacatcaac aggagtcaat gagtttggtg tggaggatcg tgatggagta 300
gttggtgcag ccgaagagaa aaactcgaat agtgaagctc ctcaagctga angatgagga 360
aactcaagcc ctanagtttt tgnacgatat taaagctgga ctcaagnan ggacatantc 420
aatnctgcct ctatgggaag ttggtngnga tagtttggtt ctctaactta acgtcctggc 480
aanccggcaa gttc 494
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<210> 10513
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-045-Q1-E1-E3

<400> 10513

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attgatgctg ctaacctcgc tgtgaagaaa ctagaagacg atgtcagttc gaggataaaa 180
gatcttgctt taagggaaca agaaactgat gtgttgaaga aatccataga gacaaaagcg 240
cgtgagctac aagctctgca agagaaactg gaagccagag aaaagatggc agttcagcaa 300
ctagttgatg aacaccaagc taaattgggt tcaacacagc gtgagtttga gttggaaatg 360
gagcaagaaa agaaaatcct attgatgaca gccttgaaga gcaanggttg cagaagtggg 420
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aaaagaagga agctgaattg gaagcacctt ggaggg

456

<210> 10514

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E4

<400> 10514

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actgccgatc aattctcata tatacataga cgtgctttta ctctgatggg ttgtactgtg 120

agggagaagc atgttagacc aaaccggaag accagatccg tgaaaccga attcgatccg 180

tgttgtttgc tcgacaggac ggctctatcg aaatcgattg ttgaatcgag tcttaagcat 240

cttgtttata atccgggtct tctcgattcg tgtccagagt caaacctag tggcagtttt 300

gaggataata atgggtgggg ttattgtacg gaggagcaat tagaggatat tttgttgaaa 360

catttgagat atttatacaa tgaagcgatt tcgaagcttg tgggttcttg ttatgatgag 420

gatgtggcgt tgagaactgt tcctagtaat gggtaatgtt aatggtnгаа tggatgttaa 480

gaacnaataa tcc 493

<210> 10515

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E5

<400> 10515

acgcgtccga cttttcatat atatacatat atcgtctcca ctctcgttgg ctcatttttc 60

attcaccgcc acgaagcaag aggagattcg tattagccac catgtcttan acctaacgct 120

aagactgagg ttccgccgaa ccgctacaaa gtggcggttg atgctgagga aggaagacgg 180

aggagagagg acaacatggt cgagatccgt aagagtaagc gtgaagaaag cttacagaag 240

aagcgtcgtg aaggccttca agctaatacag ctacctcaat tcgctccttc ttcggttcct 300

gcttcancaa ctgttgagaa gaagttggag agtttgctg ctatgggttg gtggtgtttg 360

gtcagatgat agaagtttac agcttgannc gactantcag ttccggnaat tggettcca 419

<210> 10516
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-045-Q1-E1-B3

<400> 10516

acgcctggcc gtaccgtgtn cgnaaattcc cggggctgac ccangcgtcc gcnccgcgtc 60
tctcgttcct tctctggtgg cgttttcacc atgccgaagc attacanacc aacggggaaa 120
aagaaggaag gaaatgcggc taggtatatg accangtcgc aagctcttaa acatcttcaa 180
gttaacttga atctattcag gagactatgt attgtcaaag gtatatttcc ccgagaacca 240
nagaagaaga ttaagggaaa ccatacact tactaccatg tcaaggacat tgctttcctc 300
atgcacgagc ctctcttga gaagtttagg gaaatcaaag cataccanaa gaaggtcann 360
aaagccaaac gccaaaaaaa acgaggagct tgcacgcctt ctgctcacc gccaacctac 420
ttacaaagcn tgatanattg atccgnnnaa ggtatccaac atttattgat nactgccaa 480
acttgaang acc 493

<210> 10517
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-D8

<400> 10517

cgcttgncc gtaaaggtcc anaaattccc gggctnacc acgcgtccgg gttgataaag 60
gggctgatat tcatgacgtt tatcgcaatt attgtgatat tgatcacact ggctcacatg 120
acgatacaag acataattgt gtgtatcctt gcctttatgc ccacagggtg ggggatgctc 180
ttgattgctc aagcgtgtaa gccggtggtt catagagcag gattctgggg atcagtgagg 240
accctagctc gtggatacga gatagtaatg ggactgttgc tgttcacgcc aagtggcgtt 300
cttggcatgg tttccatttg tgtcagagtt ccaaacgcgt atgctcttta atcaagcttt 360

cagtagaggt cttcagatct ctcgtatcct tggaggtcat cgtaaggatc gctcttctcg 420
 aaacaaggaa tgattcatct cttcattgta atgacaggga anggatctta antttacccc 480
 ttttttaa 487

<210> 10518
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-E10
 <400> 10518

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 ccgggacgat tctaaccggt gtaccagata atgtcatcac gacgtcagca tcggaagctg 120
 gaccggtaga aggagtcttc gtcggagctg tatttaacaa ggaagagagt aaacacatcg 180
 taccgatcgg tacgcttcgc aattcccggg ttatgtcttg tttccgggtt aagctctggt 240
 ggatggccca gagaatggga gaaatgggcc gagatattcc ctacgagacg cagttcttat 300
 tggtcgagag caacgatggg tcccaccttg agtctgacgg agctaacggc gtcgaagtgt 360
 aaccagaaag tttacaccgt tttcttgccg ttaatcgaag gatctttccg ttcgtgtctc 420
 caagggnaac gttaacgaat gaggttganc ct 452

<210> 10519
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-E12
 <400> 10519

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 atcatcaaaa accggacgat tctaaccggt gtaccagata atgtcatcac gacgtcagca 120
 tcggaagctg gaccgggtag aaggagtctt cgtcggagct gtatttaaca aggaagagag 180
 taaacacatc gtaccgatcg gtacgcttcg caattcccgg tttatgtctt gtttccgggt 240
 taagctctgg tggatggccc agagaatggg agaaatgggc cgagatattc cctacgagac 300

gcagttcttta ttggctcgaga gcaacgatgg gtcccacett gagtctgacg gagctaacgg 360
 cgctcgagtgt aaccagaaaag ttacacccgt tttcttgccg ttaatcgaag gatctttccc 420
 gttcgtgtct ccaaggaaac gttaacatga gggtgagctc tgtttgagaga g 471

<210> 10520
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-E4
 <400> 10520

agtgtttcgc cangncgtag gcttccaaaa attccaaagg tccacccacg cgtccgcacc 60
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 cgggtgattat atgctgtatt ggtgctagcg agaaagagat ctccgatatt accggtcctt 180
 acaggatcga ttacctagcc accaaaaacc ttgttgatgc tgcaacatca gcaaaagtta 240
 ataacttcat tttggtgaca tccttgggga caaataaatt tggatttccc gctgcgattc 300
 tcaacctatt ctggggagtt ctttgctgga agagaaaagc tgaagaagca ttgattgaaa 360
 gcgggcttaa ttacgcaata gttagacctg gangaatggg agaagaccga ctggatgcat 420
 acaaaagaaa ctcataatct cactcctgct ctagacgata cattgtttgg gtggtcaagt 480
 ctcaaatect ccaaggtttg caaaagttg 509

<210> 10521
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-F3
 <400> 10521

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 gagctagaaa ctgaaatcgt atttcaccaa gagcatgacg acgggaagaa ttgcatcgct 120
 ttcttcgacg gagaacaagg ttctgagtca gctggtgcc aacctgatgc tcatgaggag 180
 tctcaaactg ctgacttgaa tggggagcaa acgcagttag aacctgaaaa cggttcaact 240

tctgaggata acgaaagatc tcgtgaaatt gaagaagtac tagatgggtga tgtctctaaa 300
gacttggatg ctgttgatcc actcgtggg tgangtgata gaggaggagg gtggacttcg 360
aagatgttga atatcacgat gtggagaata tgatggataa gcaagagaca catgatttgt 420
actgtccaaa ctgcgattct tgcataacca aaaaggggta tcttcaaaag aagggaaacy 480
gaagattcgt cntcat 496

<210> 10522
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-F7

<400> 10522

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atttcatggc gacatctgaa gcggaatatg agagtgatcc cgaggagctg aaccgctcct 120
tggcgacgag gaggagagaa gcgagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnagaa gttggtactg 240
tgaagtatga taatgacgaa gatggggagg atagttatga ggatgatgag gaggaaagtg 300
gtggaggaat cgataatgat aagagtgggtg tgggtgaagga ggctggtgat atgaatggag 360
aagaaggaag aaaccgcggc accacgcaaa angcaaccga gacgtgataa ttagaacang 420
attttaaaagt agttttcgan gatgtgaaag aaaagttcaa atttattttt cngtttttgg 480
ggtttgggtt gna 493

<210> 10523
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-F8

<400> 10523

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agtacaggaa gcaattcagt gcattcttga atacaccgct tgggtggaagt ttgctacta 120

ttttcttctt ttggtttgct ctctctggat ggctgttccg agttataata atcgccactt 180
 ggggttcttcc aattgctggc cctcttctca ttggtgcagt cgccaacaac ttttgtccat 240
 caagggagaa tgcccancat gtaangangc aatttataag gtacaagaac caaatcatca 300
 natgtnaagg atgttggaac atantngtng caaccacaaa gcnaattcct cccaaaagat 360
 gcaacaacna cnaccaacca ntattannac aaaagggaaa accctaaaaa ngc 413

<210> 10524
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-F9

<400> 10524

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 cgtccgtgaa gctctttgtt catctctcta tcttgettct ccatcctctt catcactctc 120
 ccatcttctt acagctgcac cgaaaatgac aagaatgccc tccttcaaat caagaaagca 180
 cttggcaatc ctccccttct atcctcctgg aacccccgaa ccgactgttg taccggctgg 240
 accggcgctg aatgcactaa ccgtcgcgtt accggtctca gcgttacctc cggcgaagtc 300
 tccggtcaga tctcgtacca gatcggcgac ctcgttgacc tccgtacact anatttcaag 360
 ctacctgcca cacctcaccg gaaacatccc acgcaccatc accaaactca agaacctcaa 420
 cactctctac ttgaagcaca ctagtctctc cggtcngatt cctggattac atcagcg 477

<210> 10525
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G11

<400> 10525

attcccangt ccaccacgc cgtccgaaca aaagccaaac tgtttangtt tcgtcgtcga 60
 cgcgctctca tcaacaaagt cccatacgan natttaacca aaactatata tcgagggacg 120
 aagcgcgtga cgttagatcg gagatctcac cgagatcgcc ggtgaattag gggttctact 180

tcctttgttc ttgttaacgt tatatgaaag tttggaagtg atgctcaacc tgtngtaaata 240
 acggtccant nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 naattacctt gtactgtcaa actcagaatg tgggtcgcatg acatcaaaga cccatatgca 360
 caactgaaat ccganagatg tctatttaca ataccgcat gccgtccntt gcagtgaaat 420
 gggaagctca ttattncgcc aaggtgggg 449

<210> 10526
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G4

<400> 10526
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 cattgtcgct aatgtctcta ttgctgctat gaacttcagt ctcagtctca attccgttgg 120
 cttctaccaa atctcgaagc tgagcatgat tcctgtggta tgtgtaaatgg aatggattct 180
 acatagcaag agatactcaa gagaagtga aatatacnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccaaa ggttttatct gtgcttgtgt 300
 tgcgattttc tcgtcactct tgcagcaaat tttaataggt tctctacaga agaaatattc 360
 aattgggtcc tttgagttgt tgagtaaac agcgccgatt caagcttttt cgcttcttgg 420
 ttgtccgtcc ctttagttga ttaacntcc ctaagtggga aattcaatta tgaaagtta 480
 aaaaggcc 488

<210> 10527
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-043-Q1-E1-G5

<400> 10527
 agatcgatca atcaatcatc aaactctctg tgtgccacat gcattactac tgttgacttg 60
 ttcaataaag gtaaagtaag atcaatccgg cgaatcttct ttcgttttcc ggcaccgatc 120

tcggtggatc tccgattcac atggcggcgg ataatgctta tctgatgcag tttgttgacg 180
 aaacctcttt ttacaaccga atcgttctga gtcattcttt gccggcgaat ctatgggaac 240
 ccttacctca ttttctccag acatggctcc gaaattacct cgccggaacc ctactatact 300
 tcatctccgg tttcctctgg tgcttctaca tctattacct taaaatcaac gtttaccttc 360
 ccaaagatgc aattcctaca ataaaggcta tgcgtttgca aatgtttgtg gcaatgaagg 420
 ctaagccaag gg 432

<210> 10528
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G6

<400> 10528

anacaagctc agaggaaacc tagcctcnag tacctgaacc ggatcggagc aacaggcggg 60
 aaaatcccac tgggattgaa acgcaanggg ctaanagtgg ntgtgaccgg tggngctgga 120
 ttcgttggnr cncatctcgt ggatcctttg atggctanag gagatactgt gattgttgtt 180
 gatantttct tcaactgnaag gaaagagaac gttatgcacc atttcagtaa ccctaactt 240
 gagatgatcc gtcacgatgt ggttgagccn attcttcttg aggttgatca gatctaccat 300
 ttggcttgcc ctgcttctcc tgttcattac aaattcaatc ccgtcaagac natcaagacn 360
 aatgtgggtg gaacattgaa catgcttggt ttggctaanc cg 402

<210> 10529
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-G8

<400> 10529

gtaacggtcc anaaattccc gggtcnacc acgcgtccgg attctggaat ctaggtttaa 60
 agtttagacc tttgagatca cactatatca aaaatggagc tcaatttctc ttcaatggct 120
 ataacacacc cnaaaatccc ttctttcggg ttacaccca ccggnatatt cctaaaccca 180

tcaaaantcag tgtgttttggc ttcacatcat cggtttccga gagtttcatg ctctgtttct 240
 actactactg attctcccaa gctagtgact tcaacaaagg tgacggcaat ggntggngtg 300
 agctctanag acttgagat gtcgaattta acggcgttat cgcctttgga tggacgttat 360
 tggggtaaag ttaaggactt gggcttcttc tttgagcgag tttggattga tcnanttccg 420
 agtttttgtc gagatnaaat ggcttcctaa ggttccaatn atccnggagg tcccgaagtt 480
 c 481

<210> 10530
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-D7
 <400> 10530

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 ctccaattct ccaaggagtt tggtaatata caaataacat ggaagacgtt agaagaagaa 120
 acagaggaca tcctctgctc agatccaaga agagaggaga aggtacaaac catggcttct 180
 caccgtctca gattcaatct cttgccgtca tctgtcaaac tttcctccct cgggagacca 240
 cgtcggaaca gcaagctggt aattccttcc acgtagcctc ctctactcaa ccaccattca 300
 ctgatgaggt ggcggagatg atagtgaata acggacgatc agaagcagtc aaagttttga 360
 gaatcatatt gatgattttg tcattcagat ttgggaactt tgttgcttg tgggtcccnc 420
 cgtc 424

<210> 10531
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-G7
 <400> 10531

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnngc cggcaaaatc tctccaacat ttcacccctc gaattgagag 180
 agttgcaagt cataattacn tgtttgagcc gctattatca tcacctgcat gataaatggt 240
 taaatggana agtggataca tgttgctaga atgattgatg tctgttgngt aagaattgga 300
 tacaattacc gaatggaagg ctcatagaag tnacaagaaa ctaatcagtc ttctttccaa 360
 nctanactaa angatggatt acaataacan ac 392

<210> 10532
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-H11
 <400> 10532

catttcgaaa agaagatgaa ggtgatagat aagatccagt cattagccga cgaaggcaaa 60
 acagcgTTTT ccttcgaatt cttcccacca aagacagaag atggagtcga caatctcttt 120
 gagagaatgg atcgaatggt tgcttatggt ccaacgTTTT gcgatatcac ttggggagct 180
 agtggatcta ccgcagatct aacgcttgat atagcttcga ggatgcaaaa cgttgtttgt 240
 gttgagagta tgatgcatct tacgtgtacn aacatgcctg ttgagaaaga ttgatcatgc 300
 tcttgagact attagatcta atgggantca gaatgtgctt gctcttagag gtgacccctc 360
 tcatgggtca agataagttt gttcangttg aagggtggtt tgaatgtgcc ttggatcnt 419

<210> 10533
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-H2
 <400> 10533

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 aactttgttt agtgtgtctt cttaaagcct gcaagatgca gagaccacct cctgaagatt 180
 tctccttgaa ggagacgaga cctcatctag gtggaggaaa actctctgga gataagctta 240

ccagtactta tgaccttgtt gagcaaatgc agtatctcta tggtcgtgtg gttaaggcaa 300
aggagttacc tggcanggat atgactggta gttgtgaccc ttatgttgag gttaagcttg 360
gaaactacaa aggcaccact angcatttcg agaagaaatc taatcctgag tgggaancaa 420
gttttcgcct tttctaaaga 440

<210> 10534
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-A7
<400> 10534

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tcggcactct cagcgggtggn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnagtag ttgtgcttgg gactgggttg gctgggtataa 240
gtttccttaa agatctcgac ataacttcct acgatgttca ggttgtgtct cccagaact 300
actttgcctt tacgccattg ttacctagcg tcaactgttg aactgttgaa gctaagaagc 360
attgtggagt ctgtccgtaa tataaccaag aanaaaaatg gggaaatttg aattgggtggg 420
aagcagattg t 431

<210> 10535
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-A9
<400> 10535

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ctctactcca ttagcttcct ctcccttga tggttacgtc actttctccg agctnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngac aaaatgggac atttctcttc 300
catgttcaac ggtatagcta gtccttctc ggatnaagaa aagcgaagaa catcaacaag 360
caggcaaaaa gctacgctaa aggaagccac agatgaanat ggccaagaga gggngaagga 420
aagaagggac ttattttgag atnc 444

<210> 10536
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B1
<400> 10536

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atttctggtg agaatgacca gcaagaagtt gtgcancaac tgcacaaggt tcttcgncca 180
tttcttcttc gaagactaaa gtcagatggt ganaaagggt tgccaccgaa gaaggagacc 240
atacttaaag ttggnatgtc tcagatgcag aagcaatact acaangcttt actgcanaan 300
gatcttgaag cggttaatgc tgggtgganaa cgcanaacgtc tgctaaacat tgcaatgcaa 360
ctgcgtaaat gctgcaatca cccctatctc ttccaggggtg cagaacctgg tcccccatat 420
accacaggag ntcaccttan nncaaatgcn ggtaagatgg ttcctcctgg g 471

<210> 10537
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B10
<400> 10537

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gtctttcttc atcaggacca aaaacaaacc ctaatttctc agctcgattt ctctcttact 120
ccatttctca atccttcaca aaatgcacca acttccattt ccgagatcgt aaaaaagctt 180
gtggtacttt ctgataatag agagggaaaa aacgagagag agagaaaaca caaatgctg 240

gaagctccgg tgaacaagtc aagcatcctc aatggaggag gaggaggatt ctctcagcta 300
cagagttgct tcggcgattg cagtagcgaa gaagaattgt cagtgttgcc acgtcatacc 360
aaagttgtcg ttactggaaa caaccgtacc aaatctgttc tcgtcggctc tcaaggcgtc 420
gttaagaaaag ccgtcggact cggtggttgg cattgggctg ggttttgact aatgga 476

<210> 10538
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-B8
<400> 10538

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tcttcttctt cttcaaaatc tcttgtnccg aaataatcca tgagaaacta gggtttaact 120
tgagatctct cttccgaagt attaccatca atggcgactt cttcttcttc atcgctgtct 180
ctgcttttac caaacatcaa tttcaactca agacaatctc caacaatcac tcgttccgtt 240
tcaatcgccg ggatcttctt acccagaaac cgattaagct acaatcacia tctccggatt 300
cgtacgagat taatcagagc ttctaaagac gataatgtcg ctgttgaaga tcgtgataat 360
gcagtgaaga tcaacgggtga ttacaacgga agtgcacgtt taaacggtaa cggctctgcg 420
agaaaatccg tcaacggaga ttttaacgga agtgctcggt tgaacggtaa agggtagttt 480
ggn 483

<210> 10539
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-C10
<400> 10539

gtaccgctc tntgaattcc caaggnccac ccacgcgtcc gantccaaac tcccgaagaa 60
gaagaaaata actacaatga gtcaacaacc tcctgctgtt ggtgttctc cttctcatgc 120
ttatccggcg gaaggaccac ccaaggacgc ttatccacct ccgggacaac cctatctca 180

gcaaggatat cctcctccgc agggatatcc tcaacaaggt tatectctc aaggttatcc 240
 tccgcagggg taccctgaac aaggatatcc tcaacaaggt taccacctc agcaacaaca 300
 gcaacagaaa cacagtctg gtatgcttga angatgtatt gctgctctgt gctgttactg 360
 tgtcttggac gcttgcttct gantngaagt ctccgcttga agctgcaaga attggcttat 420
 accgatgata tcattctcat tctctttcgt ttc 453

<210> 10540
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C11

<400> 10540
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 ccatcccttt cttgagaaag aagttagaga ctcaagtaac atcgaagcaa atacgcggaa 120
 agagaggatg agaaaacgca atgatcagag gatataattc cagctatacg aagcaatgga 180
 agcacttggt catatatgca gagatggntg taaaacaata nggccacacg ataaagattt 240
 caaaccgaac catgcaacgt gtaactatga agcttgcaag ggattagaat cactgatccg 300
 gcatttcgca ngctgtaagc taagagttcc aaggaggttg cgtgcattgc aagagaatgt 360
 ggnaactccn tgaactgcat tcacgtgttt gcgcangttc tgatcaatgt ccaagtcctt 420
 ctatggcaga aaccttaaag gagnaagatg ga 452

<210> 10541
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C12

<400> 10541
 tacgccggnt cggtagcct caaaaaattc caanggtcga cccaccgctc cgnctgaagg 60
 aaccgcatt gaagacctt tcatgcctga ccgtgtctc atcgggtggnc gtgaaacaac 120
 tgaaggcttt gcanccgtca aagccttgaa anacatttan gcccaagtgg gtcctgaag 180

agagaatcct caccaccaat ctatggtctg ccgagctttc caagcttgca gctaatagcct 240
tcttagccca nagaatctca tcagtcaatg caatgtccgc tctctgtgag gcanctggng 300
ccaatgtctc anaggtctct tatgctgtgg gcanagactc tcggtattgg tcccaagttc 360
ttgaactcta gtgttgggtt cggaggatct tgtttcnaga aaagatatc tcaacttagt 420
ctacatctgc gaatgcaacg ggttaccga agttgctgag tactggaaac a 471

<210> 10542
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-C5

<400> 10542

ttcttcggat cgtcttttac tttgtgaacg atggaccaac aaccggagag gcgagaaggc 60
cggagttttc cggagcgtaa aggacagaag cggaagctan aggaaggagc cgccgccgta 120
gaanatcgag agatctctgc cgtcagcacc gacggaggcc aagcgcttct tancgaggtt 180
gctgctcaag tctcgggtact aaactctgcc ttctcttggc aagagtccga tcgctgtgct 240
gccaaagcgag ccaactcaagt tctggctgag ctagccaaaa acgaggattt agtgaacgtg 300
attgtcgacg gaggtgctgt tccagctctt atgacgcac tacaggcncc accatacaac 360
gacgggngac ttggctgaga ntcccgtacg aaacacgaaa gttgaaaaag ggaagcngct 420
tttgcgcttg ggtcct 436

<210> 10543
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-043-Q1-E1-C8

<400> 10543

acgcgtccgc tctctctttt tctctctata tacgtcgcca ttgttggtgc attcgaagct 60
tttatagaag aagtaatctc tctttttctc tatttctctg tattactttc tctttttttt 120
ttcgtgatgg agaaaaacac accggtgagg aaaccacaca tgctgacggc ggatctactc 180

acttggccgg agaatcaacc gtttgagtct cccgccgccg tatcttctcg ctccgccgcc 240
 agatcgcacc agccgtcgga tggaataagc aaagtcgtat ttggaggaca agttacagat 300
 gaagaagttg agagcttgaa caagaggaag ccttgttcaa attacaagat gaaagagatc 360
 acagggagtg gaatattctc tgtgtatgaa gaaaatgatg attctgagtt agcaagtgct 420
 aattccccgcn acaaa 435

<210> 10544
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-043-Q1-E1-C9

<400> 10544

tgtaccggcc caaaaattcc cgagtcacc caccgntccg nnccatcttt gattcctggc 60
 atgaaggaga tgttcgatag gtctgcagat ctccgggtag agaacatagt tatcggtatg 120
 ccccataggg gtcgacttaa tgttttgggt aatgttgta gaaaacctct acgccaata 180
 ttcagcgagt ttagcggtag tactaggcca gtagatgaag ttgggcttta caccggaaca 240
 ggtgatgtga aataccactt gggtacatct tatgatcgtc caactagagg aggcaaact 300
 ctccacttgt ctttggtagc aaatcccagt cacttgggaag cagtagatcc tgttgtgata 360
 ggtaaaacca gagcgaaaca atattacacn aaagacgaga acaagaacaa agaacatggg 420
 tattttgatc catggggatg gtagctttgc cggacaagga gtgg 464

<210> 10545
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-G5

<400> 10545

acgcgtgggc ggacgcgtgg gcgagaagct tctctgaat atgttttctg acgccggcgg 60
 aggcgcaaat cgtcggcgtc gggacttagc tcttccgatc aatttgcttt gggtacttct 120
 tatgcttttg tttacaactt ctgtccgcta ctgaaaact ctgtttcaac cctctnaat 180

catttctcct tcaccggttt tcaacggcgg ccaaaaaacc agctacggag gaagacgatg 240
 tggtcgggcy tttgccctcc tgttccaccc tcttctcgca aattcttcgc caaaatcttt 300
 cttttccagc gatgcaatcc ctcaatcaga agcttttatc atctctccgc cttttattta 360
 cagatctaga ttcgggtttca agcaccceaa gagaatactc acaccggg 408

<210> 10546
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-042-Q1-E1-E12
 <400> 10546

cagcataact caaacacaat ggtactcgca accaactctg actccgacga gcatttgcatt 60
 tccacttttg cttctagata tgtccgtgct gttgttccca ggttcaagat gcctgaccat 120
 tgcattgccc aagatgctgc ttatcaagtg atcaatgatg agttgatgct tgatggtaat 180
 cccaggctta acctagcctc ctttgtcacc acttggatgg aacctgagtg tgacaaaactc 240
 atcatggatt ctgtcaataa gaactatggt gatatggatg aatatcctgt caccactgag 300
 ctccagaacc ggtgtgtaaa tatgatagca aacttgttcc atgctcccgt tggagaagac 360
 gaggctgcta ttgggtgtgg aactgttggg tcatctgagg ctataatgct tgctggg 417

<210> 10547
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-E2
 <400> 10547

tcttttagccc ggnccccgtg tccaaactaa cccgggtcgn cccacgcgtc cgacaaagca 60
 atagaacaac aagaacaaga anacagagaa aanacaatg gctgccttgt cggataagtt 120
 agcggatgct taccagaacg caaggccgag atatccgatc gattggttca cgaaacttgc 180
 tgctcgaacc ggtcagcaca aatcancttg ggatgttggg actggcaacg gtcaancagc 240
 tattggtctt gcagagtatt tcgagaaagt tacagcancg gacataaacg aagcacagtt 300
 aaaacgaacg gtaaaacacg aaagaatcag ttaccatcac actcccacaa cantgtccga 360

agaccaaattg gttgctctaa gtcggcggag ataactccgt tgatctaatac cgtggcagca 420
caagccgttc actacgtcga tctcgaccca ttctacancg ttgga 465

<210> 10548
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-042-Q1-E1-E5

<400> 10548

acgcgtccga tggcataatt gtgaactctc tccgagctag gagtatgttt acttgcttca 60
tgcaagaacc ttttcaaatac tttgcctctt atttgggtca tcaatgaaga aactcttgct 120
gttcgggtcta gacagtacaa ctcaacaggg cagactgaac tcctcactga ctggaaaaag 180
attttcagcc gggcatcggg tgtagtcttc cataattatc tccttccgat actctacacc 240
gagtttgatg ctggcaactt ctatgtgatt cccggatctc ctgaagaagt atgtaaagca 300
aagaatctag agtttctctc acagaaagat gatgtgggtca tttccattgt gggaagtcag 360
ttcttgatca aggggtcaatg gctgggaaca tgccttgctt ctgcaagc 408

<210> 10549
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-E8

<400> 10549

acgcgtgggc ggacgcgtgg gctcactctt tcctctccag aagaaaccct agacatctca 60
tcgccaaaat gttcagatct atgctcgtcc gatcttctgc ctccgcgaag caggcgggta 120
tccgccgtag cttctctctc ggctccgtcc ccgagcgtaa agtcgccatc cttggtgccg 180
ccggtggaat tggtcagcct cttgctctcc tcatgaagct taatctctt gtctcttccc 240
tctccctcta cgatatcgtt aacactcctg gagttgctgc tgatgttggt cacatcaaca 300
ccaagatctg aggttggttg ggatacatgg ggcgatgata aacttgggcc aaaaagctct 360
tngaaaggag ctgatctccg ttatcattcc agctgggtgt accaaaggaa gcctggtat 419

<210> 10550
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-E9

<400> 10550

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ctttagccccg nccggtaccg ntccaanaat tcccgggtcg acccacgcgt ccgcttcaac 60
aaagattgtc tagttcggat cttgaaacga gcgatgatga gtgtgttgta acgtatgggt 120
ttggttatga tgaatctgaa gatgactata aagtgggttc gttgttgcaa caaagacacc 180
aagtgaagat agagacaaag atctactcaa cgagacaaaa gctatggaga agcaacacaa 240
gtttcccatc tggagttgtt gttgctgaca aatcaagatc cggaatctac atcaacggga 300
cactaaactg ggcagccact tctcatcat cgtcatggac gatcatatcg tatgatatgt 360
cacgcgatga gttcaaggag cttccagggc cagtttgttg tggcagagga tgttttacia 420
tgacgcttgg gagatttaag aagatgtcnt tcgaatgggtg tgттаatgca aaaggagcta 480
a 481
```

<210> 10551
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F10

<400> 10551

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gattgcggtt ctcggtttcg cattcaagaa agacaccggt gacacaaggg agactccagc 60
catcgatgtg tgcaagggtc ttttagaaga caaagcaagg ctaagcattt acgaccaca 120
agtgactgag gatcagatcc agagggattt atccatgaac aagttcgact gggaccatcc 180
tctacatttg cagccaatga gcccaacaac agtgaaacaa gtgaccgtta cttgggacgc 240
atacgaagca actaaggacg ctcacggtat ctgcatcatg accgagtggg atgagttcaa 300
gaaccttgat ttccagaaga tctttgacaa catgcagaaa ccagctttcg tgttcgatgg 360
aagaaacatt atgaatctgc aaaagctaan gggagattgg gttcattggg tacccaatg 419
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<210> 10552
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F11

<400> 10552

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acgcgtccgc ccacgcgtcc ggccacagtt tcttaggggt cttccgcatt gtttctccga 60
attgcaatcc cctcattctc cacaataaac agatagctaa tataattgag tttggatact 120
cgcaagtga aatatgtcgg tcacagcggg agtgagtga tctgcaattg ctgtaaggga 180
gaaactaaaa ggtggtattg gacagactaa agtgcgagg tattggccag gaaaagctcc 240
ggagtgggct gaggaagctg aagaagatga tgatgttagg atgcagaagg tttctgtttt 300
ggatagagct tttccaaaga atgatgattt ggggtgttgct aaggaangat gatccaaggc 360
tgcgccggtt agctaagact aaagttgaaa accgtgacga agttagagct gatcatcggc 420
gg 422
```

<210> 10553
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F12

<400> 10553

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anaaattccc gggtaagag atccttanng tttggaattc actccagttt gacctagttc 60
aggttctatg ttcttccttc tttgtcatct tcattctccac tgtttacttc atgtccaagc 120
cacgcacat ctacctcgtt gactantctt gttacaagcc acctgtcacg tgcgtgtcc 180
ccttcgcaac tttcatggaa cactctcgtt tgatcctcaa ggacaagcct aagagcgtcg 240
agttccaaat gagaatcctt gaacgttctg gcctcgggtga ggagacttgt cttcctccgg 300
ctattcatta tatttctccc acaccaacca tggacgcggc tagaagcgag gctcagatgg 360
ttatcttcga ggccatggac gatcttttca ngaaaacngg gtcttaaanc taaagacgtc 420
gacatcctta nc 432
```

<210> 10554
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F4

<400> 10554

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angcgtgggc cagaatctgc cgtcaccttt tttcggtttt tgcgtcttcc tcaaaaattc   60
gataacaatg gtgaaacgga atcgagttcc gccggcagaa caagcattac ccatcgaaga  120
agattgcaaa tcgttgataa aaaagcttgc ttcgtgtaag caatcaatcc gcgacagatc  180
cttgcgaaact gttcttcgta cttggctccc agaacaaact gaaatctccg atgaagatat  240
gaagaagcta tggcaaggaa tcttctattg tgtctggcac gctgataagt ctctttacca  300
atcaagaact tattgatcgt ctctctcttg ctcttcaatc acttcctctt cctttgtcta  360
tccattactt caccgtcttc ttgttcacca tgcgtcgtga gtggtctcg               409
  
```

<210> 10555
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-042-Q1-E1-F5

<400> 10555

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acgcgtccgc aacaatggca acggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn nnnnaaagct tccagaaagc aagtagagat agtgtttgat cctgatgaga  180
ggcttaataa gataggtgat gatgttgaca aagaagctcc tttgtccagg cttaaagtct  240
tctcaccttg caagatcaat gttttcttga ggatcaccgg aaagcgagaa gatgggtttc  300
atgatttagc ctctttgttt catgtgatta gcttaggaga cactattaaa ttctcattgt  360
caccatcaaa gtctaaagat cgtttgtcta ctaacgttca aggagtc               407
  
```

<210> 10556
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-042-Q1-E1-F6

<400> 10556

```

acgcgtgggt tgggtgtgaa taagatcggg catgagtact gtaatcttcg tttccttttc 60
attagaggca aatatgttga gatgtataaa agagatcctc atgagaaccc agacattaaa 120
cctataaggc gtggtgtcat agggccgaca atggtgattg aagagctagg acgtcgaaaa 180
gttaatcatg gggatgtcta cgttataagg ttctataacc ggttgacga gtcaaggaaa 240
ggagaaattg cttgtgctac tgctggagaa gccctgaaat gggttgaggc ttttgaggaa 300
gcaaagcagc aggctgaata tgcactatcg agaggcggaa gtacaagaac aaagttaagc 360
atggaggcca acatcgatct ggaaggacat cggcctagag tacggc 406

```

<210> 10557

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-F8

<400> 10557

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnna aacaacaatg gcgacaccag gagcttcctc 120
agcaagagat gaattcgtat acatggcgaa actcgccgaa caagcagagc gttacgaaga 180
aatggttgaa ttcattgaga aagtcgcgaa agctgttgac aaagacgaac tcaccgtcga 240
agaacgtaat ctctctccg tcgcttacia aaacgtcatc ggagctcgtc gtgcttcgtg 300
ggagaatcat ttcattgatc gaacaaaagg aggagtctcg cgggtaacga tgaccacgtt 360
tcgttgatcc ggtgactaca agaagcaaaa tcgaaaacgg aactttctga ta 412

```

<210> 10558

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-G11

<400> 10558

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gcagtacacg gttgcttcag aggcacgtt tctccatctc caacactctt cgtttcactt 120
cttcttcttc ttgtggaagc tggctctgaaa atgaatccag aaaactangg tttgattctt 180
gcccttctag cagagctgcg acatatctca ttagctcgtt gaaaaatgca ggcttttcct 240
cttcagctat acctaancaa aactttacgt atgcgtccga ggtgtttttc caccactgga 300
gattcttcct gttcaaggat ctctgagtc agantgtgtt gtgnctcaga naaatcacgt 360
ttaaagccgg cttgataana nccnctaang catataaatg cagattgtag acaaggaagc 420
ng 422

<210> 10559

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-042-Q1-E1-G12

<400> 10559

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acaatcgcgc agagtgtcga atgcgttctc caggaatcta ggatccgtat cttctctttc 120
gtttggtttc tttgagaaag aatattgctt taagagccct agccttcgtg tgtctgcagc 180
agcttccatg gacgccgtca cagctgagaa attttctccg gcgagttttc tagacaaaaa 240
agaaaccgga gttcttcact ttgtgaaata ccatggcctc ggcaatgact tcatttttgt 300
cgataacaga gactcatcng aacctaagat tactcaagaa caggcggcga agctgtgtga 360
tcgaaacttc ggtgttggtg ccgatggagt gatttttgca atgccaagag tcaatngg 418

<210> 10560

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-042-Q1-E1-E1

<400> 10560

aataaaagac agcgattgcc atatagtcct gctgaattgg ctgccacaga ggtgagggtt 60

atggagtgta ttaggcagtt acttctcaga tctgcagaag cccttttcct actacaactt 120
ctttctcaac atcatgttgc tagattagtt caggagcttg atgcaaactt aaagcaagct 180
ttagttcagt tgacattcca tcagctagtt tgttctgaag aggggtgacca aattgcaaca 240
aggctcatat ctgccgtgat ggagtattat actggctcag atggcagggg aacagttgac 300
gatattagcc cgcgactacg tgaaggttgc ccaagttact tcaaggagtc tgattacaaa 360
ttctacttag ctgttgaacg ccttgagaga gctgctttaa cctcaagatg ct 412

<210> 10561
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-042-Q1-E1-G3
<400> 10561

actgccaccg gaaaaacgcc atgaaacctc gttttcctca aaatgtctat tttttggctc 60
gctattcata tctccgccgc tttcagcata gtcaacgtcg aaccttcagc tctttcctca 120
acaatatccg ttcgaattat tccggtgctc gtgcttcgcc tctcggcggc agcagcggag 180
ccggagccgg agccggagga ggtggaaccg gagattccaa aggcaatgct tttcttgtgc 240
ccggagcaac aatggctact atccttatgc ttggagctct tcatgctcgc cgcctctatg 300
aagacaagaa gatcgaagag aaacgggaga agggaatcga acttgagttc caccagata 360
tcaaagcctc gttccttggg gttctgcctc tgcgatnaat ctcaagagct 410

<210> 10562
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-G3
<400> 10562

gtagncgctc aaaattccag ggtcnaccca cgcgtccgat tcctcncctt ccgtcgtcgt 60
caagaagatc aatttcattg aaatcgagag agtgtgcttg aatcacagct tatgcagacg 120
ctacaccagt cccaacttct ccagaatccg gccgaggcgg cgaacaatca gtctgaatcg 180

gacgcgccgc cgaaacaggt ggctcaggcc atggaacgac tcaatcaagc ggntatgggt 240
atcgccgata tccgcctcgg cgctgaccgt atccttgaag ctatgttcgt ggcttcgcaa 300
cctcgtcaca cagacatgcc tcttcagctc tttctcanag aagacgcctc catgcgtcaa 360
catcttcagg atcttcgctt aatacggag aaattggaaa gaatctggga gtgttaactg 420
aatcacttag gtcaagaata actcttgggg gtctcacatg ccttt 465

<210> 10563
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-G5

<400> 10563

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnggcc aaaggcagag attctagcgc ttataaacct gagaagtgga atggaaccaa 180
ggtaccaaga taatgtacct aaaggacttc tatgggaaga gatctcaact tcaatgaaga 240
gaatgggata caacagaaac gctaagagat gtaaagagaa atgggaaaac ataaacaaat 300
actacaagaa agttaagaa agcaacaaga aacgtcctca agatgctaag acttgcctt 360
actttcaccg cctcgatctt ctttaccgca nnaanagtac tcggtagtgg cggtggttcc 420
na 422

<210> 10564
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-G6

<400> 10564

acgcgtgggg agaaaacttc gtctctcttc tctgcttcgc cctctcattt cctgtgagat 60
aaaggcggag tctctctcca gttattttgc tcatccatcg attcttagag ttcaaaatgg 120
ttgatcaagt tcagcacccc acnattgcgc agaaagctgc cgggcagttc atgcgttcaa 180

gtgtttccaa ggacnttcan gtgggntncc agaggccttc tatgtatcaa agacatgcaa 240
nctacggaaa ctactcnant gctgcatttc aatttcctcc gacatnccgg atgttggcaa 300
naaatgcntc tcccggtgtt gtccaaaccc cattgagaga aggggttcac taaatttgcc 360
cttgacnttc tgatgggtgg tgtttctgct gccgtctcca acgactgntg ctgctcctat 420
tg 422

<210> 10565
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-H10

<400> 10565
ccttgcgntt ccgaactgtc tagaactcnc gggcccaccc acgcgctccan aaaaagggtcc 60
ttcattgatg aagagaatcc aagatgcaat attcttcaaa gccacattca atgttcataa 120
aacccaatct gagattggat aatagaaagt ataattaaag gtttgaaaaa aaaaaaaaaa 180
aaagg 185

<210> 10566
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-H3

<400> 10566
aacttctctgc cgcgtcgtan gccctcctgn aattccaagg gccacccac ncgtccgaaa 60
gacgcntggg gtttaataat atctgacact ctctttcttt gaccgtcgcc gccgcattga 120
ccgtcggatt tttagctttg caaggttctt tcaatgagca catcgcggt ctgcggcggc 180
tcggtgtcca aggcgtcgag attaggaagg ctgaccagct tctcaccgtt tcttctctta 240
tcattctctgg cggcgagagc accaccatgg ccaaactcgc cgagtatcat aacttggttc 300
cggctctacg tgagtttggt aagatgggga aacctgtttg ggggacatgc gcaggtctta 360
tattcttggc aagacaagag cagttgttca agaaagaggg aggtcaggaa ttagttggtg 420

gccttgattg caccgtacat aggaacttct tcggtagcca gattcaaagt tttgaagctg 480
atatac 485

<210> 10567
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-H4

<400> 10567

nccacgggtc cgtccgaatt actgattctt cattgacggt aggagtcacc acttttggcg 60
gcgattcctt gttctctatt ttttttgcac aagcaacatt tagcttctgc aaactccagt 120
tcattctctca accctcatat cgccgtgttt tctcgtctta gtaccgagag ctccggacgaa 180
ccaggaagca atccgttaat ctagaagcgg tgttgagaag atgacgatta catcaaata 240
ctctgtacag aacgataacc tcgttggtca aggaagact atccttacca aaatccctga 300
caacattatc ctactccgg ttaccggtta tggattcgtt tccggttcat ttatangcgc 360
gacgtttgaa caaagcaaga gtcttcatgt gttccccatc ggtgtattgg gagggctctc 420
ggttcatgtg ctgtttccgg tttaaac 447

<210> 10568
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-040-Q1-E1-A11

<400> 10568

gacccggggc ntccgcaaga nttacagta tttgaaaaa tacaaaatgg cgaaaatcta 60
ccggaagttg acaggctacg gtggtgaagg agggcgtgaa tgggacgatg atgtatatga 120
gggtgtaaga aaagtgtatg tatgacaaga tatcaatcgt atcacttacg tcaaattcga 180
ngtatgtgaa ggaagacggc caagtcgtaa caactgaata tgggaaaatc attcaacaac 240
ccaaanagtt tgtacttcaa tatccggacg aacatatcat ancgggtggaa ggaaactatc 300
gcggagtggc tctatgtgcc acagnagtga tcacaaacct cgtcttcaag acctcaaagg 360

gtaganaagt caccactgtt tggtncaaaa cttgccttgg aattacgacc nggtncaaaag 420
nttccgtaat tggagggntg g 441

<210> 10569
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-040-Q1-E1-B12

<400> 10569

ttaaatatca aattcattag tcgatatgta gcaggtggtc cctctaaacg ctcaagttat 60
attaaacctt ctggattcat atttactttt aaatatttgt gacttttttt ccttcggtat 120
taatttagcg caatgtgaaa gcaaaattta atagttaaaa tanattaang tttggataat 180
aaatggagca tganaattgc agatacnact cgctgcacca cacgcagttc cggaccaact 240
actccctent catgcccttg tatgactaca tctacggcac aatggatgan naggcacggat 300
acgttgtacg agaaanctcn anannagagg agatgatata gtgggangtg gtgcacntaa 360
ctcacctgac ggacgccaga ancc 384

<210> 10570
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-040-Q1-E1-B9

<400> 10570

gaaactgttt acaccgntcg tacgnnccca naaattccaa ggtcnaccca ngcgtccggn 60
caatcgnggg aagaaaaaaa ttcancggcc gtctggttac tgtcttgctt gcttccgacg 120
atctatcttc cccgagtaga tttgaaatgg ctgctcctcc tgctacagct cgtgctgatt 180
angattacct cattaaactt ctgctgatcg gagacagcgg tgttggttaag agttgccttc 240
tcttacgttt ctcanatgg ctcgtttacc accagtttca ttacaactat tgggattgat 300
tttaagatac gggncatttg acctcgatgg gaagagaatt aanctgcaaa tctgggatac 360
tgccggacag gaacggttcc ncacaatcac aactgcgtac taccgtggag ccatggggat 420

tttgcttgtg tatgaagtga ctgatgaatc atctttcaac aacn 464

<210> 10571
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-040-Q1-E1-D11

<400> 10571

atcttctctg taaaaatggg aactaggttc caatcattct tgctcgtgtt cttgctttca 60
tgtttaatcc tcatatcaac tgcctcgtgt gagcgaaatg gtgatggaac gattagaatt 120
ggattgaaga agaggaaact anaccggagc aacaggctag cttctcagct ttttttgaaa 180
aaccgagggg ctcatgtgtc tcccaaacac tattttcgcc tgaacgatga aaatgcggat 240
atggttccgc tgaaaaacta tttggatgct caatactang gtgacattac cattgggtac 300
tcctcctcag aagttcactg tgatctttga tactggtagc tccaatctct ggataccatc 360
tactaaatgt tacctatcgg ttgcntgtta tttccaaccc aaagttacaa g 411

<210> 10572
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-040-Q1-E1-D12

<400> 10572

tacggcctcc aaaattccca aggtcgaccc acgccgtccg agtcactttc gcttcgcttt 60
accccggttg catcgctcc acaggtttat tccgagagca cattcctctc ttccgtgccc 120
tcttcctcc ctttcagaag tacatcacta aaggatatgt ctccgaaaca gagtcaggca 180
aaagacttgc tcaggtggtg agtgatccaa gcttgacgan atcaggggtt tattggagct 240
ggaacaatgc ntcggcttct tttgagaacc agttatcann aagaagcaag tgacgttgaa 300
aangctcgta aagtgtggga ggatcagntg agaagctcnt gggcttggnc naataaactt 360
gaantctgtt aaatttgatg acacctctcg gtaccaatcg anagaaatct aagtgaattt 420
ccggggattt ttagatatct gattccgttg ccgangtttt 460

*

<210> 10573
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-040-Q1-E1-F9

<400> 10573

aactgtttac gctgttcgt acgcctccaa aattccaagg tcnaccacg cgtccgcnc 60
 tgganggggtt cttctttctg taacaggtag tgaagccatg ttgcaaatac ttggccattt 120
 cacctcggtc tcaatcagag ttgctttcgc cgttgctcgtg taccctgtc tgggtgtaca 180
 atacatgggc caggcagctt tcctgtcaaa gaacctcggg tctattccta acagttttta 240
 cgattcagtc ccagatcctg ttttctggcc tgtctttgtc attgccacac ttgcagccat 300
 tgttggcaag tcaggctgtg ataaccacta cgttctcaat aatcaaaca tgccatgccc 360
 tagggtgctt cccacgcac aaagtagtcc atacttcgaa acatataat ggacagatct 420
 atatcccgga gatcatcang atccttgatg atccttactc ttgcaat 467

<210> 10574
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-040-Q1-E1-G11

<400> 10574

gtangcctcc aaaattccaa ggtcnaccca cccgtccgcn cacgcgtccg aacaatggat 60
 gcttcggtgg tgagattttc ccaatcgccg gcaagagtgc caccggaatt tgaaccagat 120
 atggagaaga ttaaacggag gctgctcaag tacgggtgtg atccaacccc caaaatcctg 180
 aacaatctcc gaaagaaaga aattcaaaaa cacaaccgtn gaaccaagcg cgaaaccgag 240
 tccgaggcgg aggtgtatac ggaggcgcag aaacaatcaa tggaggaaga agctcgtttt 300
 caaacctta gacgggaata caagcaattc acgacgtcaa tttctggaaa aaggggcggc 360
 gatgttggtt tgatggttgg gaatccatgg gaaggaatcg angagagtga agctgaagga 420
 nctcgtagt ggcgttcgga gaagaanagg t 451

<210> 10575
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-040-Q1-E1-H11

<400> 10575

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tttccannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnt cccatacctt  120
accgctgtat caacgtatctt cagctacggc ttgcttttcg cgtttggtca gcttcgcgat  180
tactctcgcc taatcttcga ttggtggcgc accaacaatc tccaggata cgctccgatc  240
tgcttggcgc atgaggatctt ctacatccga cgattgtatc atcggattca agactgtttt  300
gggacgtccc atttcaagtg cacctgatgc ttgggattga tgtggttgan gagagtctct  360
gacgataaca acaagacgtt aaaagcgaac tacaagact agcagggtgcc               410
```

<210> 10576
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-G2

<400> 10576

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tacgccccca aaattcccaa ngctgaccca ngcgtccggg caaagcactt ttaaaccggac   60
ctgggaatta ttccttcaac aaggctactg atgactctaa ggaagcagag tcaggtaatg  120
ggtggaaaga aaattcagag gagaagccac aangtgaaga ccctgaagca gcaactgagg  180
acagtgtccc tgggtgtttt tatgatttac tacagaaaga agtagtttct ttgaggaaag  240
cctctaataa aaaggatcaa agcctcaaag acaaanatga tgccatcgag atgctagcga  300
aagaaggtgg aaacattaac aaaggcaatg ngagggtgaa gcaaaagaaa gatgagacgg  360
gaangtagct gcaatggaaa aagaagttct gcaatgcntg tggagaaaga tnaggacgcc  420
agagccaaaa ggttttcaaa tagcaaggag cccatncaac accggccaag ttc               473
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<210> 10577
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-041-Q1-E1-A3

<400> 10577

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gcagctgctt cttccatcat ggggtactcgg gtgggtcccg gtatccatcc cggttcangt 120
cggttcacag ccgtgttcgg tttcggaaag aagaaggcag cteccaaaaa nagtgccana 180
aagacggtga ctacngaccg gcctctttgg taccangcg ccatttctcc tgantggctt 240
gatggntcct tggttggana ttacggtttt gatcccttcg gtttangcaa acggnncgag 300
tatcttcaaa ttcnagatc cattcactaa gaccagaatc tggctaagna acttggccccg 360
gagacntgat tcggnanccc gttacggnaa gcctgccgac gcccaaatcg acgccggttt 420
cangcc 426
```

<210> 10578
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-C2

<400> 10578

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tagcctccaa aattcnaagg tccaccncc cgtccgnctt cttcatcttc tatgggcttc 60
cacgcgacta cgctgcaa aatcattcta caggaancat gaagccagtc ttctgtggga 120
actttgaggt atgatgcgcg cgaagggtgac ctggaacgac tattcaggaa ataccgcaag 180
gttgagaggg ttgatatgaa agctgggttt gcttttgtat acatggaana tgananggat 240
gcggaagatg ccatccganc acttgaccgc tttgaatttg ggcgtaaggg acgcanactt 300
cgtgttgant ggacaaagag tgaacgtgga ggtgataaaa gatctggtgg tggttcaagg 360
agatcctcat ccagcatgag accttccaaa gactctcttt gtgattaact ttgatgcgga 420
taatactagg acccggggat ctaganaaac actttgagcc ttatg 465
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<210> 10579
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-C4

 <400> 10579

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 caaaaatata tccataagaa gttcatcga aatggcgaat caagcagctg ctgcagcatt 120
 cttecttttc gctttagccg tcttctccaa cttggagctc tcagcttctt cacttgtcag 180
 tggcaagatc tcttgccctg actgccaccg cgatttcgac ttctcaggca ttaaggtcct 240
 ccttaaagtc gacggagaga agaaacaaat aaccgcgggtg gcagctgcag acggatcttt 300
 ccggtcagtg ctccaacgg ctgacaaaaa aggtccata aattgtcttg caaagctctt 360
 gggaggccct gagcaactct atgctcacia acacaacttg gtctctgaat tggtaaatac 420
 taaacacgat tcccaaagtt ttaactacct caaaccact tgccttctc tctctcctg 479

<210> 10580
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-C9

 <400> 10580

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 ttcatctgca gatcgagcta gtaatgagaa naaggtgaag agttcatact ttgatttgcc 120
 acctatggaa atgtctgtag catttctctca agcaactcca gcctctacat ttccaccttg 180
 tacttcagac tattatcatt tcaatgatct actgactccg gaagaacaag ctatccggaa 240
 ngaaagtgag ggaatgcatg gngaaagaag ttgctccaat antgacanga gtactgggga 300
 gaaangcaga atttcnttcc atntcactcc aaagcttggg gcctatgngg tgtttcnggt 360
 gggctccgat caaagggtta nggatgtcct g 391

<210> 10581
 <211> 453

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-D2

 <400> 10581

 acgcctnctg agcctccaaa attcaaaggt cgaccacccc gtccgnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnctt 120
 gggaganaat atttctcaat gtctcctctc ncaatcttcc atcgtcttcc tcacgccacg 180
 ttctcttctt ttctcctcgc actgtctcaa gctggaagtt ctaaaacatc aagtggcatt 240
 ccctcaatgc cttcanatca agaangatat cattgctcga aantggacta nggtgggcag 300
 cttataaggg ctgttgtagc ttggacctgt cntcaagttc ctggtgcttc tatgtttggt 360
 caatgtcggg caatgttctt tcgttgagggt tatgtacatg ggaaatcggt gttttgtatg 420
 tcacgctgnt caaggagaan gccaggagaa att 453

<210> 10582
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-D3

 <400> 10582

 agncctccga aaattccaaa ggtcgaccca cccgtccgaa agaagagcgt cttcataaac 60
 gcccttcgtc ttcttccctg caaatctatt ttctagatct ttctttcttc cgcgaaacga 120
 caatgagaga gtgcatttcg atccacattg gtcaggctgg tantcaagtc ggaaatgctt 180
 gctgggagct ttactgtctt gaacatggca ttcagcctga tggccatatg cctgntgaca 240
 anactgttgg tggnggtgat gatgctttca acaccttctt cagtgaaacc ggtgcaggta 300
 agcacgtccc aacgtgcngt ctttgttgat ctgagccaac tgtgatcgac naggtccagg 360
 actggtactt accgtcagct tttccacctg aanaactcaa caagtggtaa aagaangncg 420
 cctgctacca atttcgcccg gtgggtcatta caccattggg aaaagag 467

<210> 10583
 <211> 407

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-E10

 <400> 10583

 tcacagagct ttattcttgc cctagagata ccgagcggga gattccagat tgagagcagc 60
 ttccaggtctc tctctcctcg ccgttccttt tcgcttcttc aagtttcggt gccagagaga 120
 ttctaggtat tgaagttata gaatggactt tgatgagtat gagtacttag agaagacagt 180
 tgaaaatcct cacctggaga atgaagttgg taatggtggt ggtgatgaga aagtcaaadc 240
 tgaagggaaa gagaggagta ggagctcaag gcataggggt gacaagaaga aggagaggga 300
 tgaagatgag gatggtcggc gttctaancg ngtcgagatc gcatcacngt tcacgttcta 360
 cgggacagan agaggggatag gcatngaagt agcagggagc acagana 407

<210> 10584
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-E3

 <400> 10584

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 ccaattacat cgtccctaaa accaccgtca cgccaccggc gattcctaca ccacaatttg 120
 tccccaaaa cacccttca atcttctctt atcaaattcg gcgccgaaaa ctccgaacct 180
 caacctccac ggccgttgcc ggaaactgat tgtcccgttc cgccggagca gcagccaatc 240
 aacgagtatc aatctctctc cacctctttc cttttctcct gggcttcagg agatctaadc 300
 gagtactcta ccagactttt cttaaccggc gtttctttcg catttttcgt cgggttaccc 360
 gtttctcgtt tcggatccat cggaccggaa tatgaacctg ttaagaggat tctcgccgcc 420
 aagctctann cgggatcttc gttgtcacgc cttgctgtcg taan 464

<210> 10585
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-E5

<400> 10585

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tgtacttggt ttactcacta cactgagcta tgccgagatt ttgaaagaaa tgaaactaaa 120
aacactaata agagcagaaa ttggagaaga aggtatttcg cagttaatag aagaaaggat 180
aacagccagg aagaataaag atttcgcgaa aagtgatgag attagagaga aactgacaag 240
aaaaggaata gcgttaatgg acattggcaa agaaactgta tggagaccat gcttcccttc 300
tcaggctgat tccaagcact tgagcttaga gcagagtcac ggagatagtt aacggtttct 360
tcatttctct aactcttctt ctttagcctt ttgtttgagg ctctttcttt ataactccgt 420
ttttggaatt gtgcaatgac ttcaaaat 448

<210> 10586
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-E6

<400> 10586

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ctgatcagtg agtgaagaaa gtttgaagct ttgagtaact ttgaaacaat ggaggatatt 120
ggaaaatctc atgtggttgt tggctctgct aatgttattt acttatctgc tatattgggt 180
cacgaaggac ccaatcacia atgtgattgg aaatgcgaga atgagaatgt gtgtgggaat 240
atgtaccgtt gcaaactaac tgggttgact catgtttgtg acaagaactg caaccaaagg 300
attttgtatg ataatacataa ctctttgtgt cgagctagtg ggtcggattt tcccgctttc 360
tttggttgag gaacacgcgg ttaaangagt gaggaggaag cttgatgatg agagtcaaca 420
ancaaccttc tg 432

<210> 10587
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-E7

<400> 10587

attccccgggt cnaccacgc gtccgnaaaa tatgagcgaa gaactaagtc aaaagccatc 60
atcagctcag tctctgtcac tgagagaggg cagaaatagg tttccttttc tgtccctgtc 120
acagagagag ggcagatttt ttccttctct atctctttca gagagagatg gaagaaagtt 180
ttctttttctc agtatgttct cttttctcat gccactgttg gaggttatta agattattat 240
tgctttctgtg gcttccgtaa tcttcgtcgg tttcgctgt gtaaccctcg ctggttctgc 300
cgcaagcatt agtcgtaagc accccggttt tcatcatatt tagtcctgtt ctcgtagcag 360
ctacgatagc caggtttgtc ttggcgacag gattcacggc cgggtggctct tttggagcga 420
cagcacttgg tctcatcaag gtgggct 447

<210> 10588
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-F10

<400> 10588

agatgcgtcg atcactatgt gcagtaataa gttaattgat tggaaaatta agtacgagaa 60
tactgttagt gagcaaaaag ctgttacaga gaagatagcg gcaatggagg anaagttaaa 120
gcaagcttca nccacagnag atggcttgag agctgagttc tcccggtgtt ttgatgaaan 180
ggagaagnta atcacagaga nagctgcaaa gcttgcgact ttggagcagc aattggcctc 240
tacgcgtgcg gaattaaang aaaantgcgt tgaaggtgga ccaatgttcn tcanaagcan 300
aagacgtgag gcttcaaagc tcgctcctga atgagaanta tgaatctgtg aaatccgcat 360
ctgagttact tgaaactgag acaggagacg ttaaagccga agaggaanga tgattgg 417

<210> 10589
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F2

<400> 10589

gtctcgtacg cctccanaat tccaaggtcc acccacgcgt ccgcacacgc gtccgctttc 60
atctctcaac atccanaact ctccatcact gcttctcctc cattgttcca taccxaaaca 120
accaaaccxa tctctgtaaa acggaaaatc ataactctag cagctccaga gacactcacc 180
gctgaaacag tcaccggaat tgatacttcc gacaacactc cacaacaaac aataaagggtg 240
gtgaagccag atgagaaatc aagagtggta ctcaagtttg tgtggatgga gaagaacata 300
ggattaggat tggaccaaca tgtacctgga catggcacia tcccacttag tccttacttc 360
ttctggccta ngaaagatgc ttgggaagag cttaagtcta ctcttgaagc taaaccatgg 420
atctctcaga aagaagatga tcattcctct aaaccaagcc actgatatca tca 473

<210> 10590

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F4

<400> 10590

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nagattctct ctgcgtttct tagatcgagc gagcgaagcg agagatcatg gaangtggag 120
ctgctctcta caatcctcga actgtcgaag aagttttcan ggatttcaaa ggtcgtcgta 180
ctgccattgt caaagctctc accaccgatg ttcaagagtt ttaccaacaa tgtgaccctg 240
agaaggagaa tctttgcttg tatgggttac cgaatgaaga atgggaagtg aatttaccag 300
ctgaagaagt gcctcctgag ttaccagagc cagctcttgg tattaacttt gctagggatg 360
ggctctctga aaaggaatgg ctttcgcttg ttgctattca cangtgacgc ttggttactg 420
tctgtctccg ttttactttg ggctcaaggt tttctttcca caaggaaaga gatgaaacgt 480
ttgttcaaca 490

<210> 10591

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-F8

<400> 10591

gtaacggtcc anagttcccg ggtcnacca cncgtccgag aaaccagttt tcgcttcatt 60
cgcggtgacta cgttttctcaa acgcactaat tactacgaca agttgtcttc caagaaatat 120
gcaatcagag tttcttgaat tgcgtcaacg gattaaggaa tcgattagga cgaagatgca 180
aagcggagat actattattg ctccaacctc acagacacag ttacatcaga gcaaaagtaa 240
tcttccgtac gactttgggt ccttttttgg tccttctcag actgttattg cttcaagagt 300
cttacaagan agcaagcctc ttttagaaaa cgagacatca gcagctaaaa tgttaaactc 360
tattcaaaac angaaaagtt ctgttccaat gaatgatgct tcanggacta agaatgccga 420
atgagggtcaa acgaaangct gaaaaaactt aagggatgga aga 463

<210> 10592
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-C10

<400> 10592

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caagagtagt cgaccaagaa gctgggtcaa ctccatctac tttgagagat gaagatcatc 120
cctcgagaca aaggcttttc ggatgtctcc cttatgatat agatctcaat cccctangca 180
ttgtaatggc ggaattggtg gggacattca ttctaattgt cagtgtgtgt ggggtcataa 240
gcagtacca attatccggn ggccacgtgg gattgctaga gtangcccgt caccnctgga 300
ttatctgtgg tgggcgtngt ttactcaatc ggannnatct ctggngcnca tcttaancct 360
tccancanna ttgcnttcgc cgtcctttgg cgggattcnc gtggg 405

<210> 10593
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G10

<400> 10593

attcaanggg tccacgcacg cgtccggtga ganggatcta ccaaacgaag caacaatggt 60
gaagttcttg aagcagaaca aggccgtgat ccttcttcaa ggacgttacg ccggaaagaa 120
agccgtcatc atcaaactct tgcacgacgg taaccgtgat cgtccttacg gacactgcct 180
cgtcgccgga ctcaagaagt acccgagcaa agtcatccgc aaagactcag ctaagaagac 240
agctaagaaa tctaggggta agtgtttcat caagcttggt aattaccagc atctgatgcc 300
tactcgttac aactcgcacg tggatctcaa ggaagtggcg actcttgatg ctcttcagaa 360
gtaagggata agaaggttgc tgctcctaan gaagctaagg ctaagcntga ggaanaggtt 420
tcnaaaaccg gtnaagaaca gattggttct t 451

<210> 10594

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G2

<400> 10594

atctgnccgg gaccgcgtca aacanancgg gtcnngccac gcgtccgcaa ggagatcatt 60
ttttttatta tctcattcaa atcttgcaca tgcataatta ttatagtact aggtataata 120
taaatatgga aatttgttgt anacatatta aatgcgtgag tcagtgttga agaatacgca 180
tacatattgt aatttttgtt ttgagaaca aaccagagta ttcgcttcat anttctgttt 240
ttcgagggtga ccaaattttt tttcattatc taattaaaaa cntgcacata ttgacatgca 300
tatgcatata tagtactcct ttgacaaaaa atgagtacaa tctctttatt tgntttaaat 360
ttgtaaagtg gtgaattgtg atcctgctat atacacagaa tttatTTTTg antnaaatag 420
aggagaataa ncatatttgc gtgtanaaat acatta 456

<210> 10595

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G6

<400> 10595

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atcaagtgat cagactggaa attcatcagg atgggacatt ctcagggtcaa tttctaaggc 120
aactagttat catgtttcaa ctctaattt tgagagaatc tgggtgggaca aaggtggtga 180
tcttcgaaga cctgtctcaa tatggaggcc tgttccacgt cctggttttg caatattggg 240
tgatagcata actgaaggat tggagccacc ttgcaactggg aatactcttc aaagcagatg 300
actctgagat tgctgcaaaa cctgtacagt tcaataaagt cgcacatatt gtggggaaaag 360
gtttcgatga agttttctgc tggtttcctg ttgcacctcc tggttatgtt tcnctagga 420
tgtgttctcc tccaaatttn gaatgaaagc gcctca 456

<210> 10596

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G7

<400> 10596

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ttccgttctt gggatcaggt tanctgggtgt taccaatacg gtgcattctt atggatattc 120
tcactaggaa gtggacaagg cttaaaccgg ctggtgagcc tccgtctcct agggctgctc 180
acgccgcacc tgcanttggc accatggtcn gtttttcagg gtggcattgg accggcgggg 240
cattctactg atgatcttta cgttcttgac atgactaatg ataagttcaa gtggcacagg 300
gtggtggttc aaggggatgg tcnaggccct cgctatggcc atgttatgga tttagtttct 360
canaggtatc ttgttacagt caccgggaaa tgatgggaan cganctcttt ctgacgcctt 420
gggcactggg ttacagctca a 441

<210> 10597

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H6

<400> 10597

gctctcaaga taatthttgtt ctctcaattt cattcttaaa ccctagttct tcgatttttt 60
ccgatctacg acaatggcgg acgctgaaac ctttgctttc caagctgaga tcaaccagtt 120
gcnttccctc atcatcaana ccttttactc taacaaggag atcttctctc gtgaactcat 180
cagtaactct tctgangctt tggacaagat tagattcnag tccttgacgg acaagagcaa 240
gctcgatggg cancctgagc tcntcattca catcattccc gacaaagact aacaacacct 300
tgaccattat tgantagtgg tattggnatg accaaangct gatttgggtc aacanccttg 360
ggnaacaattt gcaangattc tggganncca acngaagtca atgggaagca cngggctgct 420
ggaagccgga tgtnaacca 439

<210> 10598

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H9

<400> 10598

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agatcaacta ttacatgga ggaaacctaa cgacaaggga gaatttgagg aggttgagat 120
cacagtgtc aattactata aagagcgtaa cattgaagtg cgttattcag gtgacttccc 180
ttgcatcaat gttggttaagc cgaagcgctc cacttacttc ccattgagt tctgtaatct 240
tgtgtctcta cagcgataca caaaatcgct taccaatttt cagagggctg ccctanttga 300
aaagtctagg cagaagccac ctgaaaggat ggctcggct aaccanaggt ctgaaggaca 360
gcaattacaa tgcccgacct cggtattgcc aaatagtgcg tgtagcatt natcaccaaa 420
ttttanccaa anttnaanng gccgttatcc taaccagagc nccaaattgc 470

<210> 10599

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A11

<400> 10599

cattccatta gatcttcttg atccctaagc aagtctcttc gttaactttt gtctttctcc 60
ttaaaatggc tacagaggag atagacatga gttattggga cgtgtcatgg ggaganttca 120
atgaagacaa gaactcgtct atcttctgcg agtcacaccc tcacatagta aattcgcacg 180
ggatatggga ggttatgact ttcangagag ggatgaactt ctgggaatat ccgctcccga 240
atcncgagat cttaancttt tctacttttt ttatatggcg gcttcnccac atctcattca 300
acaagaattg ggtcttcgag gtacctagnt tcanatatat gatgatcggc aagggataa 360
tttagngtca aactttgccca nttcagcanc aagtcgtgga tccatgnca 409

<210> 10600

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A4

<400> 10600

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ccttttcggt tgccactttt tgatcaagcg aaactccaaa acacagagcc atgccgccga 120
agttggaccc gaagccagat cgtcgatgtg tacgtccgtg taaccggagg agaagtggga 180
nccgccagtt ctctagctcc aaagatcggc cctctcggtc tcgcaccaaa gaagatcgga 240
gaagacatcn cgaaagagac ggccaaagaa tggaaaggac ttcgtgtcac cggatgaagct 300
gacggttcan aaatcgncaa ngctaancgt aaccgggtggn tccatctgct gcagctctcg 360
ntcancaang gcnttgaagg agccagagag agaccnnttn aggaaagtga aganacatta 420
aagcatancg gtaacatct 439

<210> 10601

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A6

<400> 10601

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ctggctagggc tcgctgcgaa gcgtcttctc gagatccgtc aagttttccg tcaaccaacc 120
tctcaggtga ctgtagctt atcgacggcc ttaaactacc atctggattc tcctgataac 180
aaacccgatc ttccatggga gttttcagag gctaaccaat ctaagggtta ggagattctc 240
tcttantanc catccaatta caancagtcc gcagttattc ctctcgnaga tcttgcacaa 300
cagcagaatg gaggctggct ccctgtttca gcaatgaatg cggttgcnaa aagttataga 360
acttgcacct anccggtggt ttatganggt gcaancattt tactcaatg 409

<210> 10602

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A8

<400> 10602

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ngcttgata anggtcttgc tccactctgg ggacgtcaga ttccttacac tatgatgaag 120
tttgcttctt ttgaaaccat tgttgagatg atttacaant acgcaatccc caacccaaag 180
agtgantgca gcaaaagtct gcaactcgga gtgagttttg ccggagggtta cgttgccgga 240
gtgttctgtg ccancgtttc tcatccagca gacaatctaa gtgtcattcc tcaacaacgc 300
taagggagca accgttgng atgcggtgaa gaacantggt atggtgggac tgttcacaag 360
aanggcntcc ttcttagaan tgtgatgatc 390

<210> 10603

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A9

<400> 10603

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aattcgaagt taaacctgac aggttttccg ttatcaagga aacagtcaca aaggcatacc 120
 aaaataacan attccaacaa ccacatgaac aagcancgaa ttactgctca ctagtnttac 180
 aaggatcana tttggccttg gacagaggaa ctagatgctc tttctcattt ggnagctgaa 240
 gacttggcta atttcgttcc gatgctanta tcaangacat ttgtttgaag tgctanatag 300
 caagggaaatg tttataagga cgaacctgag tcaatgggtca aagcataatt gnagaatgtt 360
 cctttttacc ngactcnaaa anctatttgg ccgnccgtta ntncaatcc cagttcctgg 420
 acaaataagg gnt 433

<210> 10604
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-039-Q1-E1-B6
 <400> 10604

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 aagtcaccca caatcaccca aacccgatac tcataaccta atcccaccgg aatccaccga 180
 tgaatgtctc gattcagctg gagtttcagg ctcaatcgctc tcattctacca caatcgacgc 240
 tcgacggatc actgaactag gcantgtatc gtctccgccc tccaaaatcc ctctccgccc 300
 tcggaaaatc cggaaactca cactcgacgg agacgtctcc ggtganagat nanaangcgg 360
 gaggatatcn nncatctca agntaaactc tcggctcgcn aacggatgga 410

<210> 10605
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-039-Q1-E1-B7
 <400> 10605

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 gatggggaaa agaggaaggg cttgtgtagt ggtacttgga gatcttggtc gaagtccctg 120
 gatgcaatat cacgctcttt ctcttgctcg tcaggcatca tttcaagtgg acattgttgc 180

atatggaggt tctatacccc atgaagctgt tctaaatcac ccatcaatcc acatccatac 240
catggcgag cctcgattca ttcagtactt tccaaagata ctttatectg taactctctt 300
gctcaaggca tttattcagt ttacaatgct tctctgggtt cttttcgtta aagtaccagc 360
gcctgacatt ttcttggtcc agaatcctcc ttccgtccca actctaattg ctgttaa 417

<210> 10606
<211> 479
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-039-Q1-E1-B8
<400> 10606

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aagtaatgtc gaattctagg atgaatgggtg ttgagaagct aagcagcaaa tccacaaggc 180
gtgtcgcaaa tgccggaaag gcaacactgc ttgctcttgg caaagccttc ccaagccaag 240
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ttatcaaaga aaagctggaa cacttggtgca aaacgacaac cgtgaagacg cgatacactg 360
tggtgacgcg agagatactg gctaaatacc ctgagctaac aacagaggggt tcaccaacaa 420
tcaagcaaag acttgaaatt gcaaacgagg cggttggtgg aaatggcatt ggaagccaa 479

<210> 10607
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-038-Q1-E1-F7
<400> 10607

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gttttgaaac gatggcggaa gaacataagc atgatgaatc tgtgatcgct cctgagccag 180
ctgttgaggt tgtggagaga gaatcgttga tggataanat atcggagaag atccatcacg 240

gtggtgattc ttcttcgtct tcntcatctt ctnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
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 agancaacga agatgtcngg tngtgnacc ttngatgggt nctanantg gcntggggtg 480
 ttgtttgaat ttgaaa 496

<210> 10608
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-B8

<400> 10608

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 tcgatttcag ctcaaaggac taaccatgaa aacttcttca agtgtctctc tcaccgaatc 180
 aacgaggacg actcaagaat catacacaca tcaaaagatc cttcgtatth ctcaatcttg 240
 aattctttcca taaaaaatcc aagattcttt gttctcgaaa cacctaaacc ggthttcaatc 300
 atcactccgg ttcaagccac cgatgttcaa tctacgatta aatgcgcacg gcttcacggt 360
 atacacatca ggactaggag tgggtggatc gactacgaag gtttannctta catggctaaa 420
 agcagaccgt ccgttgatc tgaattgana atccnccggt ccaatacatt agaattgtga 480
 taaccgggac cgggttggtg tca 503

<210> 10609
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C10

<400> 10609

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 caatctcnct caaaactcat aancatattg cntcctttg ttcatttctg ggthttacgt 120

tctttcgact ttaaggggtt cggagcttag ttttacnaca atttcgtttg gaaaagagct 180
 cttatttgat gttcatggcg tctctctcct tcagccaatt cttatcattc cccagatgca 240
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 ggaatgggaa acatagcttt tctatggctg ctgggtaaga gaaagttatc agaagtcngc 360
 aactcttgaa agaagaaggt aatgatngga nacggtgccg gttgtnggga aaagaaacca 420
 tccaaaaagt gnntacaaga accaaccaan gancaaaggt tgtngggttaa aggatgaacc 480
 aattaggang aaaatttcct gaanttttgg 510

<210> 10610
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C11
 <400> 10610

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 agaaacccaa tagaaagaag attcanaang gtaaggaaat aaaaagctct ccagctgatg 180
 gtaagctgag tgggaagatg aagaagagan aagagaaagt aggcaatgtt gatataagcg 240
 aaccgattct ggaagctatt tcaactgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttcagtcgaa gatctgaaaa 360
 gagaaagcaa gttaagaaa tcaaataaga aagaaaaaag attgacattg acctcctaan 420
 aaaagagaac aaaatttgaa gaaggangga aagatgttta acaaatttcc tcaaggcgat 480
 naaggantgc acaaggggaa tgaaaa 506

<210> 10611
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C2
 <400> 10611

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ctgggagcta aantttcgaa ttgagccttt atcgggtcca agcctggggc taatgggatt 180
aattgtgtca aacgaaaggg cgaaagtcac aaaactcaag cttgacaatt actctgggag 240
ctgggggtttg aatcaagaag caaatacttg tttgggtaaa gtctctatcc agattaagct 300
tgttgagggg tgattcagca aggaacaagt cactgctttc tacatgtctt caagatgggt 360
ccgaaaccac aacgaaattc gattttgaag ttcttaaggg aaacactacc gggcgaagcc 420
ttacataagt cccaagaaca atatcctacg ttaaacngga gtttggnaac agangaacaa 480
aagactcaan cctttggtcc gattccaaca actgaanttt ca 522

<210> 10612
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-C4
<400> 10612

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tgagatcttc agcgggaaag cttctctccc attctctacg gagaaaccgc gggaaacttg 180
gtgatggatt ttggattccg gctacgaggt ctcagaagat gtggaattcg acggtaccgt 240
cagatgaaaa tctgatcaa aattcgatcg atgcaggatc ttcaatgcgg aaaccaatta 300
gcttatggcc tggaatgtat cattctccgg tgactaaatg cgctttggga agctcgtcgt 360
aatatgttcg aaantcccta accggagacg acgcttctca gtcaaaattg acggctaaat 420
ctccgttcng aancccgaaa gttcaatccn ctataagntt ttcttcnga attttgggtcc 480
tcc 483

<210> 10613
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C7

<400> 10613

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 tcttgcagga caagtaacga gtggtggttc gacgatatgt caattctcgg gccaaaaatc 180
 attgaaaagc tgataaatac acttgggtgcg catgataaga acaatgacag cttgggtcctc 240
 acaaaatttc ttctccatta cctcaagaca aaggtcccaa acaagtcaac caacaagctc 300
 gagtattcag gtttagctga tacagcggtt caaggaagtg gttttcgcaa cgaaaaccgc 360
 gttttcatgc agaaaaatgt tctgggttct gcgagtttta tcgggattta gcataagtna 420
 agaatcaaga aattgggttaa gagaaggtta taggagaaat gcnggattta agc 473

<210> 10614
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-C9

<400> 10614

ctgtttacgc ctgntcgtac ngctccaaaa attcccaggt cgaccacgc gtccggcctg 60
 accgaactcc tcatccagca ctccatgagg ttaagcattg ttaccaacca atcaaggttt 120
 cattgacgga tggcatgata aaggttgcaa acacttactt tttcaacaca acagaagaat 180
 tggagtttag ctggacaatt catggggatg gtcttgaact tggatctggg actctctcta 240
 ttctgtgat aaagccacaa aatagttttg agatggagtg gaagtcaggt ccatggtttt 300
 ctttctggaa tgactcaaat gctggagaat tgtttctgac aataaatgcc aagcttttaa 360
 atcttactcg ttcgcttgaa gccggtcacc tttgtcttca acgcagattc cttaccagca 420
 aaaggacaaa ttataccgca aggcataaaa aagacagaca ctatatcact tgtgaaactg 480
 ttggag 486

<210> 10615
 <211> 614
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D10

<400> 10615

aactgtttac gccgttcgta cggcntccaa aaattccang gtcgaccac gcgtccggga 60

tccgggtcgga tcttttgaag ttcttcaatg gcgcagatac tttccctgt ttgtacggat 120

cttttgaagt tccagaactc agctcttagc tccagatcag gtgcgtcgcc gcggttctcg 180

gcgaagacca ccggtgcttc ttcattcttg tacttacctc ggtacgcang aaagaggcga 240

accgattcaa tcggaagatt gagagttgca actgaaggat gcctcctctc cttccaacgg 300

tgatgtcccc cgatgaatta actaatgccg tttcccggga ctccctttcc aagaatgcct 360

aangccaagg gaagggaaga atttaaagga aaaagccctt aaccnaanna acctgggtaa 420

tggaaaaant ccgnttgcc caattcccan nnaacccttt taaatttggg gccaaatggg 480

aacccccccg gaaaaacccc ancnaaaan tttttccng gccaatnggg tttccaantt 540

ttaaanccga aatnantccc naantggaan gaaaatttcc cccaaanttt tgaaccccc 600

ctgggntttt ccaa 614

<210> 10616

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D5

<400> 10616

tgtagtagc gaaaccgntg atccccggtn gncacgcg tccgattatg ttctccgcaa 60

tgcgtgttgt tgatcatgcc gtctcacctg atacctctgt gctaagtgt gtactcaagg 120

cttgtggtca aagctccaat attgcatatg gagaatcttt gcatgcttat gcggtgaaaa 180

cttcgcttct cagnnctgta tatgtgggaa gttctttact ggatatgtat aagagagttg 240

gaaagattga taagagttgc agagtcttta gcgaaatgcc ttttagaaat gctgtaacat 300

ggacagcnat tattacgggg ttggttcacg ctggtcgtta caaggaangg tcttacgtac 360

ttttctgaaa tgctgagatc ggaacaacta tctganacnt atacctttgc tattgcctga 420

acgcttgtgc tggnttacgt caagtnnaan acnggtnatg gcgattccat acgcangntc 480
atactnagaa cggcttgt 498

<210> 10617
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-D6

<400> 10617

tangaaccga cattccccggg tngacccacg cgtccgtgta tgttcaagct cccattcttg 60
tggccttcac gcttcaggaa caaagaccag tatctctctg aaagactact tctcggaat 120
tttcgtctcc atggcaccg tgagggggat tcttggttg caaagggcag tgtccatttg 180
gaaggaaagt aacagactga ctccagcttt gagatcattc agcactcaag ctgcatccac 240
ttccaccact ccacagcctc ctccacctcc tccgcctccg gaaaagactc atttcggtgg 300
tctcaaggat gaagatcgga tttttactaa tctctatggt ctgcatgacc cattttctcaa 360
agggcgcatg aagagaagt attggcatag gaccaaagat ttggtgctca aaggggtactg 420
attggattgt caatgaaatg aanaaatctg gaactcctgg nacttggtgt gctgggttcc 480
cttccgggtc tnaattgt 498

<210> 10618
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-D9

<400> 10618

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catggaaatc gcttcttggt caattcttaa caatcttcaa atttcttgta caaagacttc 120
tattttcact cagtatttga gcgagcgttc ttcacacgac actggaagac gcaatttctt 180
gcctttttca aatttccttg gaaaatctca gattctcgga aaatgcttgc gattgcagag 240
attctcttcg atttgcttat cagctagcag agaagacgta aacctatctg aagaattcgc 300

tgtgatactt gaggttgata agggttatga ttgatacatg gtcaaagtaa tcgccaagcg 360
 ttcaatgtag ctttcaaaag cttgggctag atgtgcaaaa ttggcctgaa ccagttaatc 420
 agacttgttg agaaaaaggg ctgctgatga aagaaaaaat gttgcctttg naattcaacc 480
 aaa 483

<210> 10619
 <211> 536
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-E1
 <400> 10619

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 nnnnnnnnnn nnaagacaat gtctcctttc aaaatatacct ccttaacaat ccttccctng 120
 cgggntttca atgtccggtg ntgatttcaa cactgacgtc aacgtanctt ggggaaatgg 180
 gcgtgggaag atactcaaca acgggcaact tcttactccc nccttagaca aatcctccgg 240
 gttccgggtt tcaatccaaa acanaagtan ttgtttggga aagaatgggt atgcanatta 300
 aagcttggtc cctggtaact ccgcaggga caagtcacca actttttacc taaaaatccc 360
 gaaggattca acttggaat gagaattgat ttngagttcc ttgggggaaa taatgaantg 420
 ggngattccc taaaactttt tnaacaccca aangtttaca anncaanggt aaangggggg 480
 caaagaggca acaaanttcc aaccnctngg gttgnaccn aaccggccaa atttcc 536

<210> 10620
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-B5
 <400> 10620

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 taactctcat cctcgctgta ctgatcagaa gaaaaaactc tgaaagatgt cgaccggagg 120
 accccaaaaa ttagaagcac aaggaggaaa agaaggcaaa gaatgggatg atggagccga 180

acacgatggg gtgacgaaga tatacgtagc agctgggtggg cttggaattg aacaaatcag 240
 attcgattat gtaaagaacg gacaacccaaa ggaaggatct tttcatgggtg tgaaggggtan 300
 aagtactatt tctacgattg agattagcca tccagccgag tatcttattt ccatggaagg 360
 ttggtacgac tctaccaata tcattcaagg aattcagttt aaatccaaca aacacacttc 420
 ccagtacttt ggatatgaat ttttgggaaa tggtacacaa ttttcacttc aagttaatga 480
 cacanga 487

<210> 10621
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-F9

<400> 10621
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 aacaaacaaa aaaagactgc ttctctttct tatttctctc atcatcatca tcaatggttt 120
 tatgagattt atatcaaaaa acattgagga gctagagaga aagagagagt gtgtgtgtag 180
 aaaaagattg aaacatcatc aagattgatg gagcaaggag gaggtgggtg tggtaatgaa 240
 gttgtggagg aagcttcacc tattagttca agacctcct gctaacaact tangaagagc 300
 ttatgagatt ctcaagccgc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnncttcct tcntcatcgg gaaatcgatg gccgagagaa gaaacttta 419

<210> 10622
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-G11

<400> 10622
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 ttcgacttta tgggtttcgg agcttagttt tactacaatt tcgtttggaa aagagctctt 120
 atttgatgtt catggcgtct ctctccttca cccaattctt atcattcccc agatgcaatg 180

cagatgttcc ttgtctgctc cagtcgcatg gttttgtgaa gtttagaggt gaaagatgga 240
atgggaaaca aagcttttct atggctgctg gtaggagaaa gttatcagag tcagcacctc 300
ttgaagaaga angtaatgat ggaaaccgtg cggttgtgtg gaaaganacc atctaanagt 360
gttaagagaa ca 372

<210> 10623
<211> 481
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-H10
<400> 10623

aaccttttcg nggccccgta caaagtccan aaattcccgg gtcnaccac gcgtccgaaa 60
cggagagagg cggagaggag aaggaagacg gcgtgaagca atgggtgtcg tgaagatcca 120
gaagcggctc gccgcatccg taatgaaatg cgggaaagga aaagtttggc tcgaccccaa 180
tgaatcgggc gatatctcta tggccaattc caggcagaac attaggaagc ttgtgaagga 240
tggtttcatt atcaggaagc ctactaagat ccactcacgt tctcgggcta gggctttgaa 300
cgaggccaag cgaaagggtc gtcactctgg atacggtaag agaaanggta caagagaggc 360
aaggctacca accaagattc tttggattaa nggagaatga ggggtgtttaa ggcgtttctt 420
ngngcaagtt cccgtgagtc aaaacnaaga attgatangg cacatgtcca tnacctgtac 480
a 481

<210> 10624
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-H11
<400> 10624

acgntccgt aagaacaacc gcgttacaaa cttctctcgt ctttcctgga aattttctgtc 60
cacaaatatt agtctttaat tttcgggatg aacactgacc cttccttgat ctattgatct 120
ttgtcgcagt atttattang attttatctc tatnagacgg ctcttttgat taatattttt 180

ccgactctta tttcttatct tctttgtca naaacttctc tcaggcgaat tcaagtttca 240
tagttttggg ctangttttt gtccaccgat ctanctcttt aggtgagttt tgtttaantt 300
ttttcggctt tatagtttgt cnacgcttca tgttgttggg gttattanaa ncttgtgttt 360
gaattgaggt ctttgatctc gtttccnttn ctgaatttag atatgtg 407

<210> 10625
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-A11

<400> 10625

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cttagttcta gccatcgggt ccgtcttggc tcacccacct acccacaaga aattacaaaa 120
gaccttgtgt ccatctactt tgtccaaagt tcaagctttc ccttaccttg aagtctctag 180
cttcgtcgag aagaaggttc agttcgcacc aaaaaccatt gcgttcaagt ctttgttctc 240
catctgcaag agctacatcg actttcttgg gggcggttaag ttttctgcct ccagagatgt 300
gtttcacgtc gttcatgtca aaatcacttt gatgaccaag gcnatggta ttgcacaagc 360
acaaattggg aatttaaagg anaccccccg gttaaatttg ggcaaaacta ancgttaatg 420
gc 422

<210> 10626
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-A2

<400> 10626

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acaaatcctt ctctgagaaa aaacaacaga ttccgaattt aaccttnaat caaccggaa 120
aaaatggaga aagcgatcga gaagacaacg cggttctcctt gagcatctcc cgaaccntcn 180
tcttccttct tcgcacaatt tacgaaggct tctcctatcc tgccttctgc ttgcntggct 240

gggggacagt gctgcatatc aagaggacct ctctctatgg aagatgatgt tgtcattgtc 300
 gcggcacata ngactccact atgcaagtcc aaacgtggca atttcaaggg atacatatcc 360
 cgatgatttg ctcgcanctg ttttgagggc attgatanag aagacgaatc taaanccaag 420
 tgaagtangt gacattgttg tgggtactgt tttggcaact ggatntcana gagccaatga 480
 atgcaaggat ggctgcgttc cnaagctggn ttccctgaaa acgt 524

<210> 10627
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A3
 <400> 10627

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 ttcatcatct atgttctctt cctcgtcttc ttctacatga cctcttcct ctctgcaatc 120
 ttctctcagt gtatcccaaa tccacaccaa gaagtttctt ctctctttac aatcccaatt 180
 cttctcantt ccaactccaag aaaccttctc caagcaacct atgtttcagt acaagaagcg 240
 attccacaga gtgaaaaatc caaacttggt gatgtagatc ttctataacc aagaacctac 300
 tgcttccaaa agctacgtct gggttaaacc caaaaagccc aagagcttct caactccgta 360
 gaaaatcnta cgantcnagg tactcctctc ctancaaact aagctgaagt ctctgangc 420
 cgtgttaacc caaangaaaa ctnaaatttt gcganagtcn cttaaaggggg ttttgggggg 480
 naatg 485

<210> 10628
 <211> 567
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A4
 <400> 10628

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 ccgtgcaagt cnttcatctc tatgcacaaa atggcgaaaa gagaacaant agtcataacc 120

ttgcaagaag caaaagaaga aaagagactc acttgggatt ccttgggtggt aagtgggact 180
 ttgcatattg tctaattgtt cntgggatct tgggcaaacc aaacactgtc ccaacttctt 240
 cctctggagg cttactcaag aatgggatgt gatgaaacat caacaaccac tcggggtcaa 300
 gactactcaa gactcaaaca aatccttctt ctgacgatac ttcttctctt ttgtcttctt 360
 caagaaccag ttgagttaag atttcgaaag ccatcacaaa actccgaagc tgaaagatta 420
 cgaaatcaaa accgtaaagt actttgaagc catgtgacat gtcnnttgag tggagtnaca 480
 ctccaatgtg aaagatcgag aagaagaggg aagaagattg gtaaggaaca atgatgaagt 540
 tcagagagag acaattgtcc cttcnaa 567

<210> 10629
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A8

 <400> 10629

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 gtaaattcaa cgggtgtcttt tgcaaacaat tctgcaagaa ctgttgtaga agaagtggta 180
 aatccgacgg tctcttttgc aaacgactct gcgagaactg ttgtagaaaa agtgctaaat 240
 ccaacggtat cgttcatcga tagccagctc cagcggccac gggacgtcct tgtgcaacaa 300
 caaatcctag acaatctcca agaatcgaat ggttcgaatt tccctgggga tgactaccac 360
 tcgcctgacc ggaagaactg ggatggccca tctctctgtg gataaactaa cccttaacaa 420
 gatctgtggc caaggaactc cagcantc 448

<210> 10630
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-A9

 <400> 10630

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 agggagctga ggctcgtcagg atgtacaaaa ctctactagg aactcagggg ttccgaaagg 120
 gaattgatct ctattttgaa agacatgatg agcaagcagt gacttgtgaa gacttctttg 180
 ctgctatgcg tgatgcaaat aatgcagact ttgctaattt cttgcaatgg tactctcaag 240
 ctggaacgcc cgttgtcaaa gtggatcct cttacaatgc tgacgctcgt actttctctt 300
 taaaattcag tcaggagata ctccaactcc caggccagcc aacaaaagaa cctacattta 360
 ttccanttgg gtgttnggcc ttttggacnc aattgggaaa ganattaatc cttccccccg 420
 gttn 425

<210> 10631
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E2-B10
 <400> 10631

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 cagctgagat gcttaaggta actataatag tcttctgcat gtacgccaga gatcgttagt 180
 atgtgtatct caatactctc ttttttcctt cttacttttt tcttttcagc ttaactgtaa 240
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 atagctggca tgcaatttag tgtttatatt ctctgtgttc ttctaagcc atttactctt 360
 tcgtactaaa ttcagcacia atttggtgag agatgtaaaa ctggggggctt cctgcaatgt 420
 cgccaaagan tgagaaatcc aaacaaatca agagctacaa tggntccgca agcgcaaagt 480
 gt 482

<210> 10632
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-037-Q1-E2-B12
 <400> 10632

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ttgcctcagc acctcttcat tgcattacaa tctagtaaag ggaattgggtg atgcagcaag 180
caccaatgtg gctaattgagc taggagctgg gaatccgcga ggggctcgtg attctgctgc 240
ggctgcaatc ataattgcag ctgttgagtc agttattgtg aagctctagt ctgttcttgt 300
ctcgcagtgt gtggccttat gcatatagca atgtggaagg aagttattag ttatgtgact 360
gatatcactc ctaatcttgt atctcaatcc tcaagggaca gtcctgaac gtcctccccg 420
ggaatgtgag 430

<210> 10633
<211> 524
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E2-B2
<400> 10633

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gattatcctt tgtaacttct ccatacacga cggtttcaac aaggaacca gtaacagatt 180
acacgctaaa agacggagct tggctccttc tatgctcaa accaagttgg ggttgagaac 240
ttgcttgatt gagcatagac agagacagcg agtgatgggt ctgggaaata ttgggatgct 300
aactagttag aaatctctta accgtaaaag acgggtgggt aagggttaag gggtttgaaa 360
tttaatgggtg gagataacaa cggaaatggg aagaatctcg gaaaacttgc cttggccaat 420
gggcttgact tancctccca atnactgggt caacttgggt gggantttgg atgcnattgt 480
cccnggtccn ggctgaattg ttggtaatgt ttccaanttt gggt 524

<210> 10634
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-F10

<400> 10634

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gcttgtccaa atgggaattc acttccacaa tgggtcctta catcgagaga cagaggtggt 120

cttgcattgca acctcgaggg cattatagaa tcaccgatta caaatggcta caggaaçaag 180

tgtgagttct cggttggtt atctcttcag gggaagccaa ctgttggtt cagtctagga 240

agtttttgtg cgggtgtgac agcagtcgag gagcctgtgg attgccccaa cgtctccaaa 300

attgcttctc aatatgcttc aatatttcan gaagtttata gaaaattcaa aattccaagt 360

ttggaatagg tttcaacata agtgggttct ggcggcaatt gacggttcca gagg 414

<210> 10635

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-036-Q1-E1-H9

<400> 10635

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cogtctctct tcgtcgggtga ttcacattcc gatttggtgt cttttttact cttaacaagt 120

cctcaaaaac cctactttta ctcgagattt tgtctccgcc gccgagtacc aagtgcctcc 180

cgatctacgc cccaatccct aaatgggtac ggaggctaca accgtacca aattccagga 240

acctgatctc cggcaggttt ctacagacacc ggatttcaaa ccggaaatcg ctacagatgg 300

tcttaagttc tggcaattta tgattgctgg ttcgattgct ggctccgtcg aacacatggc 360

gatgtttccc gtcgatacca tcaangaccc atatgcaagc gcttcganca ngtcctttaa 420

aaccgctcgg gatccgggga agctttccgt tcgaattatc caaaagggag gg 472

<210> 10636

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E1-A11

<400> 10636

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 aattacaaaa gaccttgtgt ccatctactt tgtccaaagt tcaagctttc ccttaccttg 180
 aagtctctag cttcgtcgag aagaaggttc agttcgcacc aaaaaccatt gcgttcaagt 240
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 ccagagatgt gtttcacgtc gttcatgtca aattcacttt gatgaccaan gcgatggta 360
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<210> 10637
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10637

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 tctattttga aagacatgat gagcaagcag tgacttgtga ngacttcttt gctgcnatgc 180
 gtgatgcaaa taatgcagac tttgctaatt tcttgcaatg gtactctcaa gctggaacgc 240
 cegtgtgcaa agtgggtatcc tcttacaatg ctgacgctcg tactttctct ttaaaattca 300
 gtcangagat acctccaact ccaggccacg ccaacanaag aacctacatt tantccagtg 360
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 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10638

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 tgtatctcaa tactctcttt tttccttctt acttttttct tttcagctta actgtaactc 180
 tatcttgtca atactaggat atcttcagct ttagttgtca gaattaccat cactttcata 240
 gctggcatgc aatttagtgt ttatattctc tgtgttcttc taatgccatt tactctttcg 300
 tactaaattc agcacaaatt tgttgagaga tgtaaaactg gggcttctgc aatgtcgcca 360
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<210> 10639
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-B11
 <400> 10639

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 accaaggctg cagttaagaa gggtgcaaag tgaactcgaa tcctcaaaac tctatccgca 180
 gatgaatcaa aaaacaatat tagtttcttt acttttagttt ggtatttgggt cgcgtgttat 240
 agcttcgttt cttctccatc ggaactctgt tcccgggaact gggttcttga tcngagggtg 300
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<210> 10640
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-B12
 <400> 10640

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cattactttg ctgtctggtc ttctacccaa ctcaaagctc gaaacatcgg ttatttcgat 180
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 caccaatgtg gcta atgagc taggagctgg gaatccgcga ggggctcgtg attctgctgc 300
 ggctgcaatc ataattgcaa gctgttgagt cagttattgt gagctctagt ctgttcttgt 360
 ctgcgagtgt gtgggcctta tgcanagagc aatgtggagg aagtaannta gttangtgac 420
 ctgatatcac tcctannent tgtatctcaa tcctcatngg acagcttc 468

<210> 10641
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C10
 <400> 10641

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 tanttgatgt tcanggcgtc tctctccntc acgccaatc ttancattcc ccagatgcan 180
 tgcanatgtt ccttgtctgc tccagtcgca tggttttgtg aagtttanag gtnaaagatg 240
 gaatgggaaa canagctttt ctatggctgc tggtaggaga aagttatcag agtcagcacc 300
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 tgttaagaga acaacna 377

<210> 10642
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C11
 <400> 10642

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 ggtaagctga gtgggaagat gaagaagaga aaagagaaag taggcaatgt tgatataagc 180

gaaccgattc tggaagctat ttcaactgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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 agagaaagca agtttaagaa atcaaataag aagaaaaaga tggacatgac ctctaagaaa 360
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<210> 10643
 <211> 394
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-C12
 <400> 10643

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 ggttccttga agaaaaaac accaattcca ttcattattct tcttcatacg ttcaataatt 180
 cttacgagga cgagatcttc ctaacgtctt tgatcttctt cattaggaga taagtctaaa 240
 ctggtcgaag atgttgggag atttcatcat cagactcctt gtattgatat tagggtagac 300
 ataccagca ttcgaatgct ttaaaacggg ggagaagaac anagttgata tcgaggaact 360
 cagattttgg tgccaatact ggatacnttt ggcg 394

<210> 10644
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-037-Q1-E1-C9
 <400> 10644

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 attggagttt agctggacaa ttcattggga tggctttgaa cttggatctg ggactctctc 180
 tattcctgtg ataaagccac aaaatagttt tgagatggag tggaagtcag gtccatgggt 240
 ttctttctgg aatgactcaa atgctggaga attgtttctg acaataaatg ccaagctttt 300

aaatcttact cgttcgcttg aagccggtca tcttttgtct tcaacgcaga ttcctttacc 360
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<210> 10645
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-037-Q1-E1-D10

<400> 10645

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tttgaagttc cagaactcag ctcttagctc cagatcaggt gcgtcgccgc ggttctcggc 180
gaagaccacc ggtgcttctt catcttggta cttacctcgg tacgcaggaa agaggcgaac 240
cgattcaatc ggaagattga gagttgcaac tgaggatgct tcttctcttt ccaccggtga 300
tgtcgccgat gattactatg ccgttctcgg actccttcca gatgctacgc aggaggagat 360
taagaaagct tactataact gtatgaaatc gtgccatcca gacttgagtg gcaatgaccc 420
cgaaaaccac aaatttctgc atgttcatta acgatatcta tgaaantcc 469

<210> 10646
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-037-Q1-E1-D9

<400> 10646

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caaagacttc tattttcact cagtatttga gcgagcggtc ttcacacgac actggaagac 120
gcaatttctt gcctttttca aatttccctg gaaaatctca gattctcggg aaatgcttgc 180
gattgcagag attctcttcg atttgcttat cagctagcag agaagacgta aacctatctg 240
aagaattcgc tgtgatactt gaggttgata gggttatgat tgatacatgg tcaagtaatc 300
gccaagcggt caatgtagct tttcaaaagc ttgggctaga ttgtgcaa at tggcctgaac 360
cagtttattc agacttggtg agaaaaggtg ctgctgatga agaaaaaatg ttg 413

<210> 10647
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E10

<400> 10647

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cttctaccta cgagctccag cgtaagctcg ttcaggatc tctctccgct gattcctccg 180
gtggcggttca gtcttcgttt tctcttgtct cccctacctc cgccgtattc caggtaatnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nncagctgcc cctaaggaag atgagaagaa ganagaagaa tcagaagagg 360
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<210> 10648
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E11

<400> 10648

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acgtttctct cttatcaaaa ctcataggcg aatctaaatt cgtccagaac aatccgccgg 120
agctcatccc tcaagaggac ctaatcgtea aacacgtcct tgactctctc cgtccttata 180
gcacagaaac tgggtggtgt cctctggtga tcaatcatgt cgcgtatcat tcaggtagag 240
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tgcatatgga cgtcgtcact gcgaatcctg atgattggga atttgatcct ttctcgctaa 360
gcatagatgg tganaagctt cgtggtcgtg ggacaacaga ttgtcctggt nacg 414
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<210> 10649
 <211> 452

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 10649

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 agtggctatt gagatgatgc aaaccaaata tgcattctgtt cctcagctca aatatatgca 180
 aatggatgtt agagatatna gttactttga agacgattcc ttgacacta ttattgataa 240
 aggaaccctt gattcattga tggctgatta aacctggagg gacctacttt ttgataacct 300
 acggtgatcc gaaagtgaga atgcctcatt tgactcnttc tgcgtacaac tggaagatct 360
 ccttatacat tataccaaga ccaaggattt aaaaagcaag aaagttgcag ctcgtcagca 420
 aagtccttgt atgggaagct atacctataa nc 452

<210> 10650
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-037-Q1-E1-E12

 <400> 10650

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 ggaattgaga cgggtgggtt cgatggggtc aggtgcatcg aagaatactg aggaagatga 120
 cgatggttcc aatggcggag gtggtcagct ctacgtttca ctcaaaatgg aaaactctaa 180
 ngttgaagga gagtcactc cncatgtcta tggctctctt cctctcatcg gttcctggga 240
 tccttcctaaa gctcttccga tgcaacntga atctgcgta atgtcngagc taagcttcgt 300
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 aatacgccct gcatactggg ngg 383

<210> 10651
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-035-Q1-E1-A8

<400> 10651

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ttcagattct agctgattca aggatcttgt ttgtgataga aattggagga gatgggagca 120
ttcatgtcga ggttttgggt catgatgttt cctgcaaaag agtataagat tgttggttgtt 180
ggtttggata atgctggtaa aacgacgacg ctttataaac ttcatttggg tgaagttgtt 240
actactcatc ctactgttgg tagcaatgtt gaagagcttg tctacaagaa tattcgcttt 300
gaggtatggg atcttgggtg gcaagatagg ctaagaactt catgggcaac atactatcgt 360
ggaacacatg ctgtgattgt gggtatagat agcacagaca gagccagaat ccccttcatg 420

<210> 10652

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-B10

<400> 10652

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agaaaagaag accccgcaca gcaagaaatc gagttgacca cagctccaag tgagcagcac 180
tgcacgcact ggggacaaca ggttttcatt atgtcgaatc ctataaatgt tgaggaaggt 240
gataatctga atcttggttt gttaatgagc cggccaagg aaaatcaccc actaatggag 300
attgagctta actgtgaaat aaaagaagca tctggtaacc ccaaagaatc tttcaagaag 360
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<210> 10653

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-B12

<400> 10653

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 atcacctgca cagcttgtaa ttccagactc agataggaca ctagcttcca cagggttgg 180
 ggaaggcagc ccaaaggata aaatatcaga tgacatgttc actgatgata tctttgggga 240
 gtctccagct gatagtcaga aaatgggcta tctgcgaggg aaaggggaat ggcattccta 300
 ttgtaaggga gtggactcga cgataattgg gatgatgcag aagggtatta cagttatcaa 360
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<210> 10654
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10654

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 ttagggaaag gagtaacagc aagtagtatt ggtgttctcc ttaaagcttg tggctctcga 180
 gttacttcta tcaaaatcga tccttatctg aacactgatg ctggaactat gtctccattt 240
 gaacacggtg aagtttttgt cttggacgat ggtggtgagg tggatcttga tcttggaaac 300
 tacgaaaggt ttctagatat caaattaaca anagacaata acatcactac tgggaaaatt 360
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 ggttggtccc tcatgtc 437

<210> 10655
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-C10
 <400> 10655

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 cattgttggg gatggaggca caggaagac tacttttggg aagagacatc ttactgggga 180
 gtttgagaag aagtatgaac ctactattgg tgtggagggt catccattac gatttcttca 240
 canactgtgg caagatccgt ttttactgct gggacactgc tggacaagag aaatttgggtg 300
 gccttaggga tggatactac atccatgggc aatgtgctat aataatgttt gacgtcacat 360
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 aacatcccga ttggtctgtg tggggaa 447

<210> 10656
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
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 cgacaaagcc accacctatg ccgtctctc tgcgtaattc caagtttttt cagtcgaata 180
 tgaggatctt ggtgaccgga ggagctggat tcattgggtc acatctcgtt gataaattga 240
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<210> 10657
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-C12
 <400> 10657

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tggcggttgg aagattacct gaactcaatg tatttggaca tgattatcct accatggatg 240
gtagcgcggt tagagactac atccatgtaa tggatttagc agatggccat gtggctgcgt 300
taaacaaatt gttttcagac tcaaagattg gctgtactgc ttataatctt ggcaactggtc 360
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<210> 10658
<211> 486
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C2
<400> 10658

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ctgcacaaca ccttcatgcg acggattccc aatggcaaag cactattgca gtatttgcaa 180
actttttgat gatgaaaggg ccgtttacca ctgtccattc tgcaaccttt gccgggtcgg 240
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attagtaaac cacaagtgcc tcgagaagag cctcgagaca aattgccccca tctgctgcga 360
atttcttttc acatcgagtg aancagttag agccttacca tgtggtcact acatgcactc 420
agcttgcttc cangtttgca aaatctcnct ttctccatt aaacttaaata taacttttaa 480
cgccta 486

<210> 10659
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C5
<400> 10659

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gcgtatagag agaaaaatgg cgcttaattt atcgcatcag ctaggagtag tcgccggaac 180
tccgatcaaa tccggtgaaa tgacagattc atcggttgta tcaatttcan caccatcggc 240
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accgccgatg aagccaatt ttacgtgccg acacgtgagg atctgtccgt ggcgtgtaaa 360
gctttcggg tggagaatgg aatccgggac cattgaagga acagngaaac gtttnngaga 420
angagggatt ggggtgaaa naaaanaagg angaggaagg tggtccctg 469

<210> 10660
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-C8
<400> 10660

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tcattgttga aactagtctc atttgtggca attttgttgc agagacgcag atatggattc 180
gacctgaaat caatggcgta ccgcctgcc cgaggacag tcatagctgt acaacagttg 240
gtgataacct ttttgtgttt ggtggtactg atgggaccaa atatctcaac gatgtgcaca 300
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ttagagaggc tcatagtgcg gcgcttggtg acaaactctt tttcatattt ggccgctgtg 420
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<210> 10661
<211> 470
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-035-Q1-E1-D1
<400> 10661

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 cgccatgggc gccaccgtgt tcgatctccg tcccggcgtc ggcacccggac ctttctctat 180
 cggnatgccg atttgtgaag canttgtctca aatagagcag cagcctaaca tatatgatgt 240
 tgttcangtt aaatactacg acgaggatcc tttgaaactg ggatgttggt attagctttc 300
 cagatcatgg gtttcatctt cgatttgatc cctgggtctca gaggttacgg cttgggtgaa 360
 atatttgatg tcaagcggct tcagatgcgc tacgccantt ctattantgg ggggtccatc 420
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<210> 10662
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-D7
 <400> 10662

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 agaatccgca tgggaaccaa tgcacttggt ccaggatttg aaatgggaat tcgtgacatg 180
 aagcccgggtg ggcgaagaag gattataatc cctccagaat tgggacctcc ggtgggacct 240
 tcgaccttct tcagctcgaa gcaatttgaa gttttcgacg tggagttgct cagtatccag 300
 aattgtgang aggaggacta taataggttt ctactcagat gtcacatgca gttaacttcc 360
 aaatgatggt catcactaag cttcaatgaa cctgcattct tcaatcttca atactctaaa 420
 tctgcacggc a 431

<210> 10663
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-E1
 <400> 10663

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gggttcgcgtg atgttttccc gtcggcgaaa gtgggttaact taaccggagc ctctggtect 120
 gagagtatag ctttcgatcc agcaggtgaa ggtccgtacg ttgggtgtctc agatggtegt 180
 atcttgaaat ggcgcggtga accgcttgga tggtcagatt tcgctcacac atcgtctaac 240
 aggcaggagt gtgctcgccc atttgcacca gagttggagc atgtgtgtgg aaggccatta 300
 aggttgcggt tcgataagaa aaccggagat ctctacatag cggatgccta ctttggcctt 360
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<210> 10664
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-E11

 <400> 10664

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 anaactggaa cananaaant gaaattaagt ggaaatgang aagaggaaga ttcacatag 120
 cgacgacgaa gaggacgaca ctttcgacta tcgctattcc tccgtcgcgg naccaccacc 180
 ttcgaaccct aaacaccaac cttcttcttc cgccaaatca tcagctcccg gcggcggtac 240
 tggcggttta gtccttcaa aatcaacact cnacgtctcc aatctcgatt tctccctcan 300
 canttccgac atccacactc tattctccac tttcggcaag gtcgcgaaga gtcactgttc 360
 tcaaagattg ccacacncgc caatctcgtg ggcgtcgcgt tcggtgcn 408

<210> 10665
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A7

 <400> 10665

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 cgctggaaca ttgcagagac gtgttcgtga gtttcatgcc ctgcatgggc ttcgtcgagg 180

gaatatttca acaaccttct ccagattgct gcagaggcgt gaccacttg aacaacgtcg 240
tcaagtttac gtctccagga tcgaggaata ngcaggatag tggagaaaca gagagagtgt 300
gtctgtgcat tgagataatg ggaaatgcaa atcatcttcc ttttcttccc gccgctatta 360
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<210> 10666
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-C2
<400> 10666

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cgaggaagaa gatcagagag tatgactcaa agaggttggt gaaggaacat ttcaaaaggc 180
tttctggcaa agagcttctt atcanatccg ttcagattaa tgaaacaact gatctaaatg 240
agctagttga aaaggaacct tggctctcgt cctgagaagc tgggtggtgaa acctgacatg 300
ttgtttggaa agcntngcaa gantggtttg ggntgccttg aaantagntt tttgctgaaa 360
gttgccacct ttgttaaaag aacgttttgg gaaaaangan gtannagaat gagntgggan 420
caaaagggan ccaataacaa acanttcaat agnnnggaan ccatttggtt cccacaacaa 480
atgacng 487

<210> 10667
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-C4
<400> 10667

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ttgtctccag agccgatgat aaacgacggc ggttttcacc ggaactgagg gaaattaagc 120
tggtaaacat ggcgggtgaa gatgtttcaa gcaatttccg agctttggtg gagaacgcag 180

accggaaatt cgcaagagtt cgcgatcttc cggcgtttgg aaagagcaca gagtcattac 240
 ttccaaaagg tgttcaaagc ttatatgaaa ctatggaact atcagcaatc tcatagggtca 300
 aagctgggtcg aagtccggtt taaaccgatg ggaaatcggc gagatcgga gccggattgg 360
 tcagctttac tttagtcaat acatgangac tagtgaagct angtttcttc ctgaggcttt 420
 tgttttctat gaancgattt tgaaaaggag ctacnt 456

<210> 10668
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-C5

<400> 10668

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 tgcttcacgc cagcgtcatc tctaagtgtc tgctgatcca ccaacatgtc ctgctgattt 180
 gggagggaag tgtagtgatt ctgatgactg gcaaggatgat ttcttccctg aaatcccca 240
 gattaagtat gagggacctt cgaagtaaga acccaacttg ttacaggtgg tataacgctg 300
 acngantana ttcttgggaa gaaaatgaag gattgggtta gattcagtgt tgccgttttg 360
 gcatactttc cgtgggactg ngaggatgatt catttggtgc tgctactaaa gtattggcct 420
 ttngngaagaa tggactaaa ctccngtg 448

<210> 10669
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D1

<400> 10669

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 tccaggaatg ttcaacgctc tctccggcat gggaggcggg ggtcaagtag atccaaccgc 180

tgctaacaac gctaacaccg ccgtttacac cgctttcacc gttttcggcc ttttaggcgg 240
 cgggtttttac aacgtcctcg gtccacggct cacgttagcc gctggatgtt cgacttacgt 300
 actctacgcc ggatctttcc tctactacaa ncatcaccac caccaagcct tcgcgatagt 360
 cgccgngcn ttaatcnggt tgccggcgcg ggacttctct gggccggata aaggagctgt 420
 gatgacgt 428

<210> 10670
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D3

<400> 10670

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 caaaaagctc aaaacatcta catactcttt ggaatcctcg attttttgta cgtgtaaaga 120
 agtcacacaa naaaatcttg gttgttgta atcttcatca cactagtatg tcaacgggac 180
 aagcgccgga gaagtccaat ttttctcaga gatgtagtct gctcagccgg tacttgaang 240
 agaanggaan ttttggaat attaatatgg ggttggtctn aaaatccgat cttgaactcg 300
 ccggaaaatt cgatctcaaa ggacaacaca ntgtgattaa gaaggtagaa gacctcagaa 360
 actagancgt tcaagttgnt tcannaaagt tttctattgg gtgagggtc tacttctacc 420
 gaaaggacaa aagcntatnt antgattctc ngttgaaacc ggcaaaaggt accacccggn 480
 cgttcctg 488

<210> 10671
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D7

<400> 10671

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 actgctataa tcattacctc tcttcgattt ctcaaaccct atctggctct ctacccatat 120

gcttcagatc cgcattaataa aagctaagtt ttttggtatg tccttctttc ttatttgatc 180
 agtttggtct tgtttcacga ttttaacctg agatttttta tatattttct ccagatctgc 240
 tatccgcagt catctgttca taggaaaaga tctggcttta cttttagaga ttatctcaga 300
 tncagccttt tanccaattg aagtgtgcaa angtaagta cccccacct ctgttctca 360
 cggtttttct gcaagaggac cnaccctct tgaacttcaa gcggtccaan cacaatggcc 420
 cccag 425

<210> 10672
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-D9
 <400> 10672

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 taagaagatt cgttggtgaa tcanagagaa agaaagcatc ctttttcta tcattgcttg 180
 cttgctatgg aattgggtaa atctcgattc tacttatgtt gcaattgctt ttctcctgtt 240
 agattttccg attattcttt agctggaagt gattatccag acgccatctc catcactttc 300
 aattgtantc ctagancttc ttctgaagga ttctcgtat ttctcgattc gatgtttata 360
 aacttcaa atctctttnaa atcttganac gaatttctcc caaaaatctc tgtttcttca 420
 caaggaagan nagnnancaa tgttggtggt ggaatcatct tcgng 465

<210> 10673
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-E3
 <400> 10673

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 gaaattatca tcatccacag agaaaccaa aagagattga agaagatgca ttacatgggt 120

ttgttttagta gagctggaaa catattttagg cagcctagag cgttgcaggc ctcaaacgct 180
atgttacagg gcaatctttc attaactcca tccanaatct ttgttggagg tctctcacca 240
tctactgatg tggagctctt gaaagaannt ttggcagttt tggaaaaaat tgttgatgcc 300
ggtaagtggg tttggaccgt gaaaagttgg tttatcaagg gggctttggg ttcggtaaca 360
tatgatcgat tcgaagtttg ctaataacgc aatgcaagct atgcnaaata aggagcttta 420
tggggcgaat anttggaagt gcatccaagc tgantcaagg aagtgggtggg ggggttggtt 480
ggtgggtttt gcaaga 496

<210> 10674
<211> 471
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-E9
<400> 10674

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tattcccng aaagaccagg ccaacctgaa tgccaattct acatgaagac aggagattgc 120
aaatttgga cagtctgcaa atttcatcat cctanagaca ggcaaaccct tctctctgat 180
tgtgtcttaa gctcggttg cttctcttta cgcccgggag aaccactgtg cgtgttctat 240
tctcggtatg ggatctgcaa gtttggcca agctgtnaat ttgatcacc gatgcgagtc 300
ttcacttaca acaacaatac tgcattctct tctcttctat catctctgca tcaaganact 360
gcaatcacca cagagctcag gaatctccct agtctctct tctgtggaaa gcaagaancc 420
canatcantc cctgaaacaa cntctgctaa aagacaacat ttggttgatg g 471

<210> 10675
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-G3
<400> 10675

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gggcaaatat ttattcgtaa atataacttc agaacccttt caacaaaact ctctctgttc 120
 tttctccgtg gagaagttaa agatgacgat gtcggagaac tcaangaaac ttggnanctg 180
 gtttgctact gaggaagaac cannaccaca tcaacgaatg tcgtatcact gctgttgtag 240
 ttttcagtac tttcgtttct gtttgtggct ctttctgctt cngttgtccg gcangttant 300
 cancaattgc tcanacaggg atcatacatg atttaagtcc ctctgttgca cantaatcca 360
 angtttggtt caaatcatga nntttgggag gaatganttg gngccatctt caancnggaa 420
 agntgcagaa tctcatgggt cgaanaaggg actatgatgg tttgcgcaaa ttttcggnat 480
 ctte 484

<210> 10676
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A1
 <400> 10676

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 tctccttctt tactgcgtca aacttccgaa aggttgatat tttcgacgcc caactgtcct 120
 ggcttcatgc gaattagctc cggacctcaa tttcgtctca agacaaaact cttctcttaa 180
 attctcgaga ccatttcaaa gcggaacaac ttgtgttaaa tctcggagaa gctttgtggg 240
 taaagcttca gcttctgggt atgcttcaac agaataatc gcgccgcttc agttgaagtc 300
 tctgtggga cagtttctgt cacaagatat tangtgagcc atctcatct tgttccagca 360
 gctgttgaac agcagcttgn aacaagctcn aaattnattc gagacgctga 410

<210> 10677
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A11
 <400> 10677

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nnnnnnnnnn nnnnnnnnnn nnnnnnatca gcatttttctt cagtgtctct ctactctctc 120
 tcagatttgc atttggtttt ttttggtttg gttatggagc gtgcaaggag acttgcttac 180
 agaggggatcg tgaaacgtct cgtcaacgag acaaaacgcc accgtaacgg cgaatcctct 240
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 catcgccgtc gtgatgtctc tggatcggct tttaccacct ccggtagaaa tcaacaccag 360
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 t 421

<210> 10678
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A3
 <400> 10678

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 tgtgggattt caagagactg cagaaagatc ctctgtggg aataagtgga gctccacaag 180
 ataacaatat catgcattgg aatgctctca tctttggacc tgaggacact ccatgggatg 240
 gaggtacttt caagttgact cttcacttca ccgaggatta tccgaacaaa cccccgattg 300
 ttcggtttgt ttcacggatg tttcatccaa acatttatgc tgatggaaag catttgcttg 360
 gagatcttgc aaaaccaagt ggagcccat ctacgacgtn gctgcagggt ctcacatcaa 420
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<210> 10679
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-035-Q1-E1-A6
 <400> 10679

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ggaccagnnc aaccttgcct gtatgtcana gtgagtatgg aaggtgctcc ttacttgagg 120
 aaaatcgatc tcaagactta caaaaagctac cttgagctct cttcngctct tganaagatg 180
 ttcagttgct tcaccattgg tcagtttggg tctcatggag ggtgtggcag agatgggtta 240
 aacnagagtc ncttgactga tctcttgctg ggttctgagt atgttgtaac ctatgaagat 300
 aaaggacagt gactggatgc tggtcngnag atgtcccttg ggaaatgttt atatgctcct 360
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 ggacaa 426

<210> 10680
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-B9

<400> 10680

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 gacaacngag agaatganaa tgggtggagg catatcgatg tagctgatct tcttcagaa 180
 tcatttgatt ttgatgatat ggaagatttc ttgacactg atgctgctga gtttgatcaa 240
 ggattcgatg gnagaatgta ttaccaagca ccttccgaat ttggctttgg naagaatggg 300
 gatgatgggt antgagatca antggcaacc nngagcncgg anacgattg tggaaccagc 360
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 a 421

<210> 10681
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-F6

<400> 10681

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aaaccactt caacgacgat tcttcaagat gaaacaagaa gtagaaaatt cggacaagag 180
atgaagaggg agaagagaag agtggttgcgt gtgattaacc agaatctcgc tggtgcaaga 240
gtttatcctt gtgttgtaa caagagagga agcttattgt ctaataagca agaagaagaa 300
gaaggatgtc aaaagaagaa gtttgattct ttgcgtcctt cagttacaag atctgggagt 360
tgaggaagag actancaaga agctgaagcc ctcaagttcc aagng 405

<210> 10682
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-F9
<400> 10682

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tggcggcttt cccaacctc aactctggct ccggattgaa gaagctcgat gagcatcttc 180
tactcgcag ttacatcact gggtagcaag cttcaaagga tgatatcact gtgtttacan 240
gctctttcaa agcccccaac ttcaaagttt gtcaatgtat ctcgttggtt caaccacatc 300
gatgccctct tgaggatctc tgggtgcnct gcngaaggaa agtgngtgct attgttgaag 360
gggtcatcac ctancacaga agaggctgtt gctantcccc ctgcnagntg attctaaang 420
atnactngct gctgaagcaa gaagatgang act 453

<210> 10683
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-G10
<400> 10683

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aaggggatgcg gaagatgccca tccgagcact tgaccgcttt gaatttgggc gtaagggacg 180
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tgcgataat actaggaccc gggatctaga gaaacacttt gagccgatg gaaagatcgt 360
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caccaagagc attggatgct tcaaa 445

<210> 10684
<211> 389
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-033-Q1-E1-G12
<400> 10684

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aactgaaagc tgccaaagca agcaaggaag cgatcactgc tgctgttgct gaacttaaaa 180
tagcaaagga gacttttgcct catattgatg agaggctcag gcttagacct ggactaccta 240
agaaagatgg aaacattgat tattccaagg atttctttgg gtcgtcaagc tttcttgaca 300
gtttccggtc aattacaagt ggagacctat gcttgtgctc ctagcaatgt tgtatacatt 360
tgccccgact ttccgggcag agaactcct 389

<210> 10685
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-G4
<400> 10685

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anaattcaga tatggggatc canagcatgc caaatctcca tcctattct ttttcggagt 180

acgtcnacaa ctttgcaa at ggtagtc cat atacgtcctc tgcattttct gaantgggtca 240
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<210> 10686
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-G5
 <400> 10686

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 ttttattggg tatcttcttg tggtcaagag ttagcacaag gatccccaca gctttattgg 240
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<210> 10687
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-G7
 <400> 10687

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 acctctctaa aatggctgca gagaacaggg agaaagtcgc tcagcaaattg gaagaatttg 240

ccaagaacat tgactccacg aagaaaccct gatcattcta gtgtggaatc ttaaaacctc 300
 agtaaatac atgggtcagc tcaagtaggg aggtctgttt atctttgtat aaagaatgtt 360
 aaaaagtaat aagcttgtgg attaaacaac caagtgatct tttggggctg tttcccctct 420
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<210> 10688
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 10688

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 gacgcgggaa ttgatgcgcc tccacttgca aaggcttatg aagggtgttt ctacaattac 180
 ttaagcatag gtatggatgc tcaagttgca tatggcttcc accatcttcg caacactaaa 240
 ccatatcttg ctcaaggccc tatttcaaata aagattatat attcaagttt tgggtgcagt 300
 cagggttggg tttgcacgcc ttgtgtcaac gatccaaggt ttaaggggga cttangaaca 360
 taatgaaaat tcacatcaaa aagggttaact gctcccagtg ggaaaagatn gcagtcccga 420
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<210> 10689
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 10689

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 aaaagatccg gtctacgacc cgtaaccatc gacttgaaag atggaaccgt agtcaacttt 180
 tgggtatcca aaaccaaacc cgaatccaaa cccaaaccta atctcctcct catccacggc 240

ctcggagcta ctgccatctg gcaatggtag gacgtagctc gccgtctctc acgttatctc 300
 aacctctaca tccccgacct agtcttcttc ggcggtatctt ccacgacccc gacccgaaaag 360
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 aaagnttt 428

<210> 10690
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-H5
 <400> 10690

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 ctgttactga caagcctact ttgatcaagg tcaactactac cattgggttat gggctctcca 180
 acaaggcgaa ctcatagct gtccatggag ctgcacttgg cgagaaggaa gttgaggcta 240
 ccagaaataa ccttgatgg ccgtatgagc cgttccaggt acctgacgat gtaaaaagcc 300
 actggagtcg tcatacacct gaaggagcta ctcttgaatc tgactggagt gcaaagtttg 360
 caagcatatg aaaaagaant acccagagga aacttccgag ttgaaaacna att 413

<210> 10691
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-033-Q1-E1-H8
 <400> 10691

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 agaaccctaaa anaaaaaaag ccattgtaaa ttcagaataa atggaagaac atctaaatcc 120
 attagcagtg actcatcttc ttcaacacac actaagaagc ttatgcatcc atgagaactc 180
 tcaatgggtt tatgctgttt tctggaggat cttgcctaga aactatctc ctcccaaagt 240
 ggatgggtcaa ggagcttatg atagatcaag agggaacagg agaaactgga tcttggtttg 300

ggaagatggt ttttgcaact ttgcagcttc tgccgcggaa atgagctccg gagaaggtag 360
 tgggtggcggt ggggtggctca gcggttatg gaaataagtg attttcaaca ataccaaggg 420
 cttcaacctg aattggtcct caaag 445

<210> 10692
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-A11
 <400> 10692

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 ccctaagtgt ctccgcctcg tagctttacc cgattcaacg aagagtgaat tcgcgtgagc 120
 tcaagcagta tcgaaatcta ccaatcatgg cgagtcaaac accgaatctc gagtgtcgga 180
 tgtacgaggc gaaataccca gaggtggata tggcggtgat gatccaggtg aagaacattg 240
 ccgatatggg agcttatgtt tctctcctcg agtacaacaa catcgaaggc atgaccttt 300
 tctccgagct ctctcgctcg cggattcgaa gtgttagcag tttgattaag gtcggaagaa 360
 ttgagcctgt catgggttct ccgtgttgac aaagagaaaag gttacattga tctgagcaaa 420
 cgttagagtc agcgaag 437

<210> 10693
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-034-Q1-E1-A3
 <400> 10693

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 atttttccga tttgagagat ccattaacaa tggcggtggc ntcggaaacg ccgtcgatt 180
 gcggttgaa tgagcgacat gtgaagaaca cnaaagaaaa gatggaggtt cattattatc 240
 tcgagaggaa agatggaatt gcagatctan ctgttattgg gangttgaaa gaantctaaa 300

acgcatgtcc tttagatacg ctttgaaaga anaatcgcnc tgtcttgaaa anncttaatt 360
ctaaaggatg atgttncccc tttggctcga ttctaattgtt tccgggtgga gatnaccnca 420
tgtagcaaga tggtagcaag ctacnngtta tgactgaaaa aagatgctgg aggggttcaa 480
ntatgaa 487

<210> 10694
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-034-Q1-E1-B2
<400> 10694

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ttcctccttc ttctctctac ttctgtatcc gtctccggcc aaaaaaagcg aagtgtctac 180
caggttctcg aaaactacac cttaccacga ggaatattac cagaaggtgt ccacgactac 240
gacctaaacc gaagaactgg cgttttcaaa gtccggttca acaccacgtg tcagttctcc 300
atagactcgt acaagggtcaa atacanaccc gtaatctcnc ggcatcataa cnagagggac 360
gggtcataag gttgataggc gtaaggcgtc aaagggttct ntcttttggg atcaacatct 420
cccgaggggtg tctccgtgac ggcgacgacg ttcnagntct tccggttgggt gctgcttcgg 480
gaaggagt 488

<210> 10695
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-033-Q1-E1-F5
<400> 10695

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ccttcaggcc aagctcaacc aagtaacgat ctgaaaagac actgtatcct aatcacagcc 120
agcaatcctc acatattgcc aacacctgta tatcggtccac gattgcaaaa tgtggaacgg 180

aatgagaatg gtgatgcgca agctgagagt cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
ngagcactat acaatgcggg aaagcccaat caacaaagtg cggacttgtc aattgacacg 360
gctaangaac acattctatc cttgtcctga tctcgggaga antttgtgga agcagtgcc 419

<210> 10696
<211> 470
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-G1
<400> 10696

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tgaggttgtg aaggatttgg gagctggaaa ttttgggtgtg gctcgtcttc ttagacacaa 180
agagacaaaa gagctcgttg ctatgaaata cattgagaga ggtcgcaaga ttgatgagaa 240
tgtggcaaga gagattatca atcatagatc acttaggcac cctaatatca tcagattcaa 300
ggaggtgatt ctgactccaa ctcatcttgc aattgtaatg gagtatgctt ctggaggaga 360
gctctttgaa agaatctgta atgctggtag attcagtga cctgaggcta gatacttctt 420
tcagcagctg atttgtggcg tggattactg tcattcactg caaatatgtc 470

<210> 10697
<211> 489
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-G2
<400> 10697

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tatcaattan taacaattac acannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngctt tggccacgac ggcaccgtta gctccggtca ccagtcagcg 180
aaaagtacgg aacgatttgg aggaaacatt accaaaacca tacatggcaa gagcattagc 240

agctccagat acagagcatc cgaatggnac agaaggtcac gatagcaaag gnatgagtgt 300
 tatgcaacaa catgttgctt tcttcgacca aacacgacga tggaatcgtc tatccntggg 360
 gagactataa gggatttcgt gaccttgggt tcaacccaan ttccctccan ctttttggac 420
 ccttactcca taaaacttag cgttcancta cggtnacact tcccnagttt gggtgcccat 480
 caaccatta 489

<210> 10698
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-G6

<400> 10698

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 tcacggcggc tacacgacgg ttatcgatgt cattgactgt accggagtgc gatttcagat 180
 tgacgccaca gtttggtttc tcacagtcac cgatcgggga gcgtaatttc gcggatgttg 240
 ataatctgga gaactgtatt aagtatttga atcagagctt agtcacctct gggattctct 300
 gcttcgcttg acctcttcgc taccgattct gtttcgantg ctagaacttg caaattgcgt 360
 atacgcnttg antcaacaag angcaacgan aatgtgggaa ttaagagaat ccggctaattg 420
 atnaagaaga caacgaactt ttaaccgata atggcgagac tccaagccaa aagttgnaaa 480
 gggtgaaaa 489

<210> 10699
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-H4

<400> 10699

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatanattt ggtgaccacg 120

aacaacttat ctcttgagt gttcaacctc tatctctctc tctttctgcc atgaaaatgc 180
aaaggccaaa tgtaatagtt agaganggag aaaccaagaa ctgaaagacc atgacttcca 240
acagaagcaa cctcctgttc tcattagtc tcttccacnt tctttttgtc cccacacaac 300
tccaagctct tagcncctgan ggtgttcttc cgcttacttt caaaatactc gatcntcact 360
gaccctctcg ctggttctac gcaantgggg actatgatga tgnacagacca atgcttgtgg 420
gacaggtgtc acatgttcaa ganccttggg ga 452

<210> 10700
<211> 398
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-H5

<400> 10700
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aaaagttcat cttcttcttg ttctgattgt ttgacaagtt ttacgacaat ggcggtttac 120
ggcgagaaga agcattgggtg gctccgcaac aagaagatcg ttgacaaata catgaaagaa 180
gcaaanagtt taatagcgag tcaagatcca aacgangtga aatcaagctc naaatcttct 240
ggaatcngca ctctcngtat ctctcgtta cnaactcgct ctccaactca aagccagatc 300
ccttcntnan ctccgtcgag acagagacgt cgccganang cttcaggatt acattcntag 360
tccgaanatt agccgggggg cgngaaaga tccggggg 398

<210> 10701
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-H7

<400> 10701
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cgccggaaag atagagaagt tgctcgagga gctactggat ctgctgtgcg agaactctcg 120
tttagagaag ggttatntaa aaaaggtgtt ttacgggtcg aaaagaccga cttttggaac 180

caaagtcagc aattatccac cttgtcctaa tccggaccta gtcaagggtc tccgagccca 240
caccgacgcc ggcggcacatca tcctcctctt ccaagacgac aaagtcagtg gacttcagct 300
tcttaaagac ggcgagtggg tcgatgttcc tccggttaag cattcaatcg tcgttaatct 360
cggcgatcaa cttgacgtga taaccaatgg gaagtacaag agtgtggaac atagagtgtc 420
atctcataca gacggagaac gnaanaatgt cgatecgcac attcta 466

<210> 10702
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-A3

<400> 10702

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gatctatcaa gcaagtgggt cctctctctc tctacctctc gtttttggcc aacgtcgtcg 120
tcttcacgat ccacgacgat tcaagttctt gagttccggc gattatcggg ctctcacttc 180
tggttccgtt gaaccctca tttctcttct cgcccggtgt ctcaaattcc gatatttgcc 240
cctgtgattc gaaaccctaa tttcgcttaa ncaatctgga aaatcnctca attcgaagac 300
tttagcagcg caaagatact cnatccgggt aataagatcg aagaaaccat caatttctta 360
ccaaagtcgt gantcntgga tctcgtcntt gtttgatgga cacaattagg gtttccaagg 420
gangttcctg ggattctcga aatcgacgca cagtcgcccc angggggtcc 469

<210> 10703
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-A4

<400> 10703

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ngccatcatg gctatagtga tcctgtgggt tcttgtttcc tcgtatcttt gtctcatcgg 180

tcatatgatt gccgaggctg caagataagg tgcctccang angaaggaag cacactccag 240
 tgggattgga agagaaagta anctcatgan gaatgaaaaa cactccactg agattggaan 300
 agaaagtgcg tccatgagga atanagcacg ctcgagttag attggaagag anagtaagct 360
 catgangaat ganacacact ccagttagat tggaaanagt atccganacg taaccggatt 420
 taaaggtgaa ctcacaactg gtggctaccg gcngttagag gcccggggat atgagtgg 479

<210> 10704
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-A7
 <400> 10704

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 aacgagatct tggagatgta cagagactac attgaccgga gttttacttg gaagaacttc 180
 acattggagg aacangctaa agtgattgtg gcgccaagga gtaacaatga gcttgatgca 240
 actaagttga agactgagtt ccctgagttg atgtctatca aagagtctct gatcaagggt 300
 cgtgtttgag cccaacaaga agactgaagt taaagcttga aatgtggttt tgtaaggtaa 360
 acggttctta accccaanna ancagatcaa atgaaagaca gnaaaagttt gg 412

<210> 10705
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-B4
 <400> 10705

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 aagctcggac ggaagattgg cggtggttcc tttggagaga ttttcctang ctacgcacat 180
 cgataccttc ganattgtag ctgttaagat cgagaacagt anaacaaaac atcctcagct 240

tctctatgaa gctaagctat atagaactct tgaaggagga agtggaattc cgcgcataag 300
atggtttgga gttganggaa cagagaatgc tttagtgatg gatttgctcg gtccaagtct 360
cgaagatctt ttcgtctact gtgggagaaa attttcacca aagacggtct tgatgttggc 420
tgatcaaatg ctaactagaa tagaagtatg tncattcc 458

<210> 10706
<211> 402
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-B9
<400> 10706

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atgtgattct tccccaaaac aagagatctt cttcctccgt agttgtcgcc gccgtcggcg 180
atgtctcttc tgacggaaca atctacttaa tcggcgggagc catcgccggt gcactcgtcg 240
gaactgcatt cccgatectc ttcaancgca gagacacntg tccggaatgt gacggaagca 300
tgatttgtga ggaaaggang agtgactctg agaagccaac gccgcacgag aaggatcttc 360
ctcagatngt ttgtgccann ctgaaaggac tcggaaange tt 402

<210> 10707
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-032-Q1-E1-C6
<400> 10707

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agaatttata agaaatccct gatttcaaga tgcttctaaa acaggtagtg acaatggagg 180
ttattcaatg gacatctctg tggaacaaat acaaggatga gttcgagaaa gagaanagca 240
tgattggagg ttctttgggt gacaaagctg gtgaagatct gaaactgaga atcatcgaac 300

ataatatacct cgttgtctca aagtactacg caaggataac cttaaagaga cttgccgagc 360
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<210> 10708
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-C7

<400> 10708

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 actgatgctt ctagctctct tgctttaaga cgcgattgtg gagctctttg cttgcctcct 180
 aggacagtta cgtttggatt tgcgataaa cctcttgta atctcgagcg attaagatta 240
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 agtgctgctg attctgataa agttccaact ccagttgtta taatcgacca agattctgac 360
 cctgatgcaa ccgttcttga agttacattc ggagatcgtc ttggagcttt acttgacact 420
 atgaatgcgc tcaaaaactt gggattgaat gtcgtcaagg caaat 465

<210> 10709
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-032-Q1-E1-D1

<400> 10709

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 atattgaatt tagggtgcca atcaaatcgc agctgctagg gggggatatt aggcggagaa 180
 gaaaatgggg gttatgtcca gacgggtttt gccgcctgt ggtaacctct gtttcttctg 240
 tccttctttg agggcaangt ctaggcatcc cgtaaaccgc nacaagaaaa tgctcgctga 300
 aatcttcctt cgtaatcang aagctgaagc ctaatgatag aaaaatcggc aagctgtgtg 360

agtatgcgtc taggaatcct ttacgaattc caaagattac agagtacctt gagcaaaaat 420
 gttacaaaag aattgcgaaa tggaaatatt ggttcaagtg aaaantc 467

<210> 10710
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F9

<400> 10710

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 gttcgcagat gatttgacac caatcccaga gggcaaacc ccaagtgggtg agtgggtcaa 180
 taccacggtt ggtccattgg ctcaacgtaa aggcttagat cctgctctcg tagctgctga 240
 ggctgctcca cgtatcatca acgtgaatcc aaaggagggt gaattcaaaa cactaacaga 300
 cgcaataaag agcgttcccg cagggaacac aaagcgggtg atcataaaga tggctcatgg 360
 tgagtacaga gagaaggtea ctatcgacag gaacaaancc ttcattacat ttg 413

<210> 10711
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-031-Q1-E1-D9

<400> 10711

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 ggggtcaatct ttaggaagag tgttgatgtg gatacgttgc ctaagatcga agagacgatg 180
 gataatgatg ttgataagat tgaattgggt gatcatactg cgttgggtga tgttgttcat 240
 catcctaaga gaccaggagc tgctcaaaat gagaaggata cacctagaaa gcttaagaaa 300
 attggagata agagaaatgt tattgagggg agtggagtag aaaacaatgg gaagcagttt 360
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<210> 10712
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E1

 <400> 10712

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 gttcactgca attgttaaatt ttgtccctga taagggtttg gaccatatta tcagcatact 180
 tacacttggt ggtgaatcaa ctgtgacaca gattgatagt cactcgaagt ctatctttga 240
 ggggtttata tcaatggtea ttccattttg gctgtctaag actaagagtg aggagcagtt 300
 gttacagatt tttgtgaaag tcttacctga tattgttgag catataaggc gtncaattgt 360
 agcttacttg ctgggagtta tcgggtgaac gaaatggctt gcctgctttg cttgtcctcn 420
 tagnntaang tctttgattt caaagaaaag actcancttg gccttggtaa tgccaacgtn 480
 t 481

<210> 10713
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E11

 <400> 10713

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 cctggagggt ggttgtaaga tgggttgac attctgtgct actggtacca tgggatttaa 180
 aagcaattta acatctggag aaattgtgga gcagcttggt cagcctctc gcattgctga 240
 tatacgcaac atcgttttca tgggaatggg agaaccttta aataactaca atgctgttgt 300
 tgaanctggt cgtgtcatgt taaaccaacc atttcagctg tcgcccmaan gaattaccat 360
 atcaactgtc ggaattgttc acgcaattaa cangctacac 400

<210> 10714
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-E3

<400> 10714

attccccgggt cnacccaacgc gtcggnatgt tcttctcttt cttcgattct cctcttcgac 60
gtctcttgggt actgtgcgcc gtcttagcct tacgtgcgcc aacggcgcac tctcctatcc 120
tacgctcatc tatcgtcact cccacagcga gagctgtctc ggaagtttcc ggttgacta 180
cgatcgatcc agattttctc gtagagatct ctgattctaa ccagacgcgg gtgatgtcga 240
aagctcgtgt gtacaccgaa gtcaatgtga ttcgacccaa ggattattgg gattacgagt 300
cactcattgt tcaatggggg gagcaagatg attatgnagg tagtaaggga agggtanggg 360
cgtggaaaat atantgaagt tttcgagggg tataaatgtg aacagcaagg ganaangtgc 420
aatnatcaaa aatcctcaaa acctgtttaa gaaaaaagaa gataan 466

<210> 10715
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-E4

<400> 10715

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tggagacttg aaagctttta aagtatatct aaaaacgcag tcgttttaag actgtgtgtg 120
agaaatggnt ctgttttagag atattgttct tcttgggttt ctcttctgct tgagcttagt 180
agctactgtg acttcagagg agggagcaac gttgctggag attaagaagt cattcaaaga 240
tgtgaacaat gttctttatg actggacaac ttcaccttct tcggattatt gtgtctggag 300
aggtgtgtct tgtgaaaatg tcaccttcaa tgttgttgct cttaatttgt cagatttgaa 360
tcttgatgga nnaaatctca cctgcnattg gaagattcca angaagnccc ttgtcaattg 420
atctgcnang gtaatcccnt ngtcnnggac aaaatccctg aatgaanatt gggtgaccgg 480
ttc 483

<210> 10716
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E5

<400> 10716

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gctcgaaaat ggattcacga accaagggga agacggtgat ggaagttggt ggcgatggcg 120
ttgcggtcat aacactcatc aancctcccg tcaattctct atccttcgac gtgctataca 180
atctcaaaag taattacaan gaggccttga gcaggaatga tgttaaancn antgttatta 240
ctggtgcaaa ggggangttc tctggtggct ttgatataac gggttttggt gaaatgcaga 300
agggggaang tcaangagcc aanaggctgg ttacatttng attgaacatc ataaccgact 360
tgcttgaaag ctgccaatga aaaccgtcng tcgctgccat tgatgggacc ntgcccttgg 420
gaaaggaggg attagnaccn tgcnaatggn tttgtcatgn ctangataat cagctcctgg 480
ttcaaaa                                         487
  
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<210> 10717
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-E8

<400> 10717

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gaagaaaact acctcttatt gactttccag gatcatcgtg ggatttcctt acgtattttg 180
ctccaagtaa aacagttaag cggcagagtt cctcctcttc tgataatacc tctgataaaag 240
aggaagtga aacggaagag acgcgaggta tgtttgtcca gttgggggat acggctcatg 300
aggcatgcc attcgctaca aacgaggctg actcctccag tacaagtatc cattatttcg 360
cccgagttaa tgctctaga ggttctatcg tcccttcctt ggctgaagga ggaaatttcc 420
  
```


ggggacgagt ancattangg ttttgtgtat gaaggcagtt caaggttccc 470

<210> 10718
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-031-Q1-E1-F1

<400> 10718

acgcgtccgg ttttacagag atatttttgt tgcaatgata tctctgtatc aaatattggc 60
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catttgcttc aaattttata gtgtaaagtc tatcaaatta ccgcagcaag aagtcgatgc 180
tctgcagcaa atcgctacca cattgggctc gaaattctgg aaattcgatg ctgaaaattg 240
taagattgaa atgggtgggt taactgaaac tcctcctcca acagctaagc aagaaataga 300
atgtgaatgc agtcccacta acgacactga ttgtcatggt gtcaaatttg cattcaagga 360
ccataatctt ccaggaactc ttcctcaaag agtcaaagct tccctacctt cgggagatag 420
acttggg 427

<210> 10719
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-F11

<400> 10719

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ctgcgagctc tacttcatca aagcctggac atgagctatt acttttcgag gctcttcaag 120
aaggctctaga anaagagatg gacagagatc cacatgtatg tgtcatgggt gaagatgtag 180
gccattacgg aggctcatac aaagtancta aaggcctagc tgataagttt ggcgatctca 240
gggttctgga nactccaatc tgtgaaaacg centcacngg tatgggcatt ggagccgcca 300
tgnncagcga ccnnagacgc gtcacgaaa ngatgaana tgggggtttc tactcgttng 360
ccttcaagcn aaatctccan acnagctgtg ggtagggtt tcagctaata cn 412

<210> 10720
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F12

 <400> 10720

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tttcgctcga gccattgagc aattatgtcg attccttgtc taaccgaaga gacagccaaa  120
actgttcttc gccagggtga gttctatttc agtgatagta atctacccat tgatgatttc  180
ctcaagaaga ctgttacaga gagcgaacat ggnttggtga gtttggcggt gatttgctcc  240
tttagtaaga tgagaggata tttgaagttg ggtgattcta aaggagatga tttcctgan   300
agataccatc aangctgttg ctgatacnct tcgaacctct tctgctctca agatttctga  360
cgatgggaaa aangttgggt angagtactg aatttttgan gctg                       404
  
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<210> 10721
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-F5

 <400> 10721

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cattcgacga acaagacgaa gtcaatcctt ttgctaattc tgggagtgtt cctgctgctt  180
cgaattccag actatcgctt ttgcctcccg aacctgctgg ttttggttat ggtcntactg  240
ttgacattcc tcttgacaga ccagggtctg gtgcacagga tttnanaaac aaagagaagg  300
agctccaaac caaagaangc tgacctaaaga cgacgagagc aagatcttaa aacgaaaacg  360
ggatgctgcc aacaangagg catggagagc tgccatatga angcaaaagg taatcaatga  420
gtcctannca acccctcctt aagncanntg cttgtgnatg tgtaatgttt acaccaagtt  480
  
```

<210> 10722

<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-F6

<400> 10722

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tttgatttcg atctgtgaca atggtggaga ctagtatcga catggaggaa ggaactctcg 120
agatcggaat ggagtataga actgtctccg gagttgctgg acctttggtc atccttgaca 180
aagtgaaggg tccaaagtac caggagattg ttaatatctg cttaggagat ggatcaacga 240
gacgtgggtca ggtcttggag gttgatgggg agaaagctgt tgtccagggt tttgaaggaa 300
catctgggat tgacaacaag tttaccaccg gtgcaattca caggagaagg tactgaaaac 360
gcctgtgtca ttggacatgc ctggccgnan nattaaacng gcccgggaaa anccaatnga 420
taatnggcct cccaattt 438

<210> 10723
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-F7

<400> 10723

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aaatggaggt tttggatagg agagacgatg agatcaggga ctcgggaaac atggacagca 120
tcaagtcaca ctatgttacc gactctgttt ccgaggaacg ccgctctcgt gagctcaagg 180
atggagacca tcctttacgg tacaagtttt cgatatggta cactcntcgc acaccagggg 240
ttcggaaacca gtcttatgaa gataacatca agaagatggg anaattcagc acggttgaan 300
gattttgggc ctgctactgt caccttgctc gttcttctct cttgcctagt ccaagcagat 360
cttcangttc tttaaggatg ggattcgtcc attgtgggaa ngatgggtgcc aactgnaatg 420
ggangaaagt ggatcatacc nttcncaaaa agttgtatct gctcgcntct ggg 473

<210> 10724

<211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-D6

<400> 10724

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 ctcatttgct tttgctctca aacagcactt tcatggaaga aggaagagtt tcgcagctgt 180
 gaccaaactc cattttgtaa acgcgctcga tctcgtactc ccggcgctg ttctctaatt 240
 gtcggcgatg tttccatcac tgatggagat ctcgtagcga agcttctacc gaaagcgcct 300
 aatcaaggcg atggggatca gatcaagccg ttgattcttt ctctctcagt ttacaaggat 360
 gggatcgtgc ggcttaaaat cgatgaggac cattcgttga acccgccgaa gaagaggttc 420
 caagtctctg atgtggtagt gtctgaagtt tgaggagaag aagatctggc tgcagaaaagt 480
 ancga 485

<210> 10725
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-A8

<400> 10725

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 ggtggagaag attgtggttg tttcntaggg ttttctgaga gaaagcatgt tgtaactac 180
 gggaagaaaag gagaaactct ctgtttctaa aggttctgaa attgaaatct cgtctcaaga 240
 ntatgantan ggtagtggaa atgtctggta ttgtgtcatt ctcgaagaaa atctagctaa 300
 atcgaaacgg aagaagctct ctgtccgtca cttggattcn ctgctcaagt atnantantc 360
 tcctccgtta atcaanacca ccgtgcatcg tttcatgcgt ccanttccgc cgccggattc 420
 atttccagag gtcgantttg atga 444

<210> 10726
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B10

 <400> 10726

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 aactcttttc ataaaagccc tctatctttc aacaaacatc cgattagagt ancaacaata 120
 gagatcaaac gtaactcaca aaatgctctc gtttcttata ccagttgtac agttttttca 180
 ggtgggttata gctgccgtag catctgtagt cttcttagtg ttcgccggta taaccttcgg 240
 tgccatcaatt gtgggactaa ccatagccac accgcttttt gtcattctca gtccgattct 300
 cgtaccagcc actatagcca ctactttcct aagtcggagg ggctaccgct gcagttgccc 360
 taggagtgaac ngcatttgct ctcatctttt ggctctttta acataggatt gggagtanaa 420
 ccgangaaca atccaagctc cgaaaggagc cncaacaaaa ggca 464

<210> 10727
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-B2

 <400> 10727

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 cgcccacgcg tccgcccacg cgtccgaaaa catgtataac anacancaac tgtgacgctg 120
 gattacactg cgaaacatgt atagccaaca ctgatttttag acctagatgc tccagaacct 180
 aacccatcaa ccccatcacc aangcaaagg ggttgccctt taacaagtat tcatgggtta 240
 ccacacacaa ctcttttgct cgtttggggg aagtatcacg gaccggttct gctatttttg 300
 ctctactaa ncatcangat tcaaatacaca nggccaactc nctaatggtg taanagggtt 360
 tatgctcgac atgtattgac ttccancnac natatccggg cttttccaat tctttcgaag 420
 ggnacangtt tcaaatttca acgcttttca acccggttat tancatttta aggggagttt 480

<210> 10728
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B3

<400> 10728

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gtacttatgc cagaggagca gtttatgcgt tacagagcag caaaaagaat ctcaaacagg 180
gcattattgg ttacctcagt ggctcaaatg gactagatag ctccgggctt agctcatcag 240
ctgctgttgg tgtggcatac ctgctagctc tagagaatgc aaacgaattg actgtatccc 300
caacagaaaa tatcgaatat gacaggctta ttgagaatgg ggtatctggg tctgcggaat 360
ggaatttttg ggatcaatca gctatttttg cctttcgaat tatgggggtg ctaacataca 420
tgggactgca aagaactttg gaccacgagc tttgttaca ggctccctga actggaana 479

<210> 10729
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B5

<400> 10729

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gattatcctc ccttcttttc tcatcttaca aggaagttgg gcagttaaag ctgctgggat 180
caccagtttt gtcaaaagtg gagtgtgaag aatcttttat gtctgaacag gcttctctct 240
ttcaatcatc tancgggctt ttaggagaag tactgtocca tatctaggan aaagtccact 300
catnaagttg ggtggggttag cgttttgagg aagacntcac gagccggtaa tggatttcag 360
tttaagcaac tgaagtgatt atcaacggct cntctgangt cccctgggtg gttaantttg 420

gttggatcca agangggctt tgccaaaa

448

<210> 10730
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B8

<400> 10730

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cagctactcc agaagattct tcgacttaat ctgatgtgat taggaagagc aatagaggaa 120
gagaagaatc agaaaaaatg gatccggcga ctaattcacc gattatgccg attgatttac 180
cgattatgca cgacagtgat cgttacgact tcgttaaaga tattggctct ggtaatttcg 240
gcgttgctcg tctcatgacc gatagagtca ccaaggagct tgttgctgtt aaatacatcg 300
agagaggaga aaagattgat gaaaatgttc agagggagat tatcaatcat agatcattga 360
gacatcctaa tattgttagg tttaaagagg tgattttgac gccttcccat ttggctattg 420
ttatggaata tgctgctggt gggagaactt tatgagcgga ttttgtaatg cccgggacggt 480
ttaagtga 489

<210> 10731
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-B9

<400> 10731

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nnnnnnnntg gtcttatgat ctcatcaaac ggagctttaa tcgaacaaca accatcagtc 120
gttgtgaaga aaccaccggc gaaagatcga catagcaaag tcgatggaag agggagaaga 180
atccgtatgc cgattatatg tgctgctcgt gtttttcagc taacgagaga gcttggtcat 240
aagtcagatg gccaaacaat tgaatggtta cttcgtcaag cagagccttc tattatagct 300
gcaacaggaa ctggtacaac tccagcgagt ttctcaactg cttctgtctc tatccgtgga 360

gccaccaatt ctacttcttt agatcataaa cccacttctt tacttggtgg gtacg 415

<210> 10732
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C10

<400> 10732

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aagaatgggg ctgggcagtt tttcttagcg acgctgcttc tttggcttgt ctccgtcgtg 180
tttgagattg ctttcaatct ccggacggag cttctctggg tgatttgcg tggaatgcttc 240
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acctctgtct cgcttttgca ctcaatcatc acctccgcac cagtgggttt catacttctc 360
aatcaaatgc ttagcAAAAA ggttttagac aagatgtttt gatnattcc 409

<210> 10733
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C12

<400> 10733

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aggcttaatc cttcttctcc cttcggcact tcttcgacaa atctccgtca ctccaagtcc 120
tgtgagctct gggaatcaac aaaacgacct aaaacacagt tgattcgcag agcttttagc 180
gcaaacgtcg atccgttttc cgaggaagag tttgcgaaaa agatgcagga gctaactctc 240
aaattccaag tctctaacga agaanaagac aacgaatcgg atacacgcac tgacgattac 300
actcgaaaga tgggcatant aggaagccat aataatttca ggtcagattc aatggaancc 360
gccatggcca gagatggtgc aaatgtcaaa acatccgaag aaggaaacan ac 412

<210> 10734

<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C6

<400> 10734

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tgttgattga agaacgctaa tcgtttgttt ttttaattgt ttgcgttaag tttaaagctac 120
ttgttgggac gtcaaagcaa cgcttctttc gattctgact ttcataataa tactaaactc 180
caactttttg atttctctgc tacttttgtt cttctctttt acttccccag atacatcaat 240
cgatcaattt gcaaaacatg tctgttgagt tatgttcggg gaggcctttg tttggtggcg 300
ctatttccac cgtcttccct caaagatttc aggatgtgag taatatccga caagttccag 360
atcatcagga agtgtttgtg gatccttcaa gagatgagag tttgattttt gagttgttgg 420
attcaaggct gaggttgggt acattggcaa ntgcctcctg gggtccttaa atgattcctt 479

<210> 10735
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-031-Q1-E1-C7

<400> 10735

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ctctctaact ctaccatcgt ttcatttctt aattctctgt tttcttggtc ctccagagtg 180
atagatctgg cagagaacaa tgtcggaatt agccaattag gtcgccgaga taaaaacatg 240
gaagcgagga tgaagaagta tagcagagaa gtgaagtcca gagagagcan aagtctggac 300
tgagganatc ancaanagtt atcatcaana gatcangaaa gtcaaaattg tttnanacct 360
ctccaagaan tcgtcaactt tgaggcatnc ctcaattcan tggaangtgn tgnnttccgt 420
ccccaanatt gggttannac taaagagaat gttancagna gaagggctta antgttcctt 480

<210> 10736

<211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-C8

 <400> 10736

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 tccgattgat cagaaaaaat ccaccaaatt tctcaagatc gaaacatata attgaagatg 180
 agcgacgtat ttgaagggtg cgagcgtcaa tactgcgagc tctcaaccaa tctctctaga 240
 aaatgtcact ctgcatcggg tctctccaac ggagaggaga agaaggggaa gattgctgag 300
 atcaagtctg gaatagacga agctgatgtc ttgatccgga aaatggatct tgaggcaaga 360
 agtttgcagc cgagtgtctg agctgtgtgt cttctaaaac taagaaagta taaatcctga 420
 tctggaacaa attgnngnaa gggaatnaaa cgaatcccct tccgcangat gcctaaaccg 480
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<210> 10737
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-031-Q1-E1-D10

 <400> 10737

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 atgttccttc ttgttctcgg aaggaaaatg gttggaggaa gtgacgtggg agggatgaag 180
 gagacacaag agatgcttga tttctgcgct aagcacaaca ttacagctga tattgaattg 240
 attaagatgg atgagattaa cactgcgatg gagaggcttg ctaagtctga tgtaggtac 300
 aggttcgtga tcgacgtggc taactccttg agccctccat gaatgatccg gatctaagaa 360
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<210> 10738
 <211> 456

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-D2

 <400> 10738

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 ggggattcga gcatagggcc gggccatccg catctccctc ccgggtttcg gtttcacccg 180
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 gcganttttg ggngagcacg agtgggtacn tctttaatcc cccgggatcc ggaatttcca 360
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 ccgntnaacc gantatttac gngccaatag tccacc 456

<210> 10739
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-031-Q1-E1-A5

 <400> 10739

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 ttaggtgatg agctacgagg tcagacgaga gcatcagagg atcacaaatg gtctactgtt 180
 gcaacgaagc tagctgagca aactagaatg aaaggggaga ggatgaacaa tcttgatctc 240
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 cntccgatgc cacaacaact gttnatanta tgaaatacct ggttttccag aanaaatgac 420
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<210> 10740
 <211> 405

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-A10

<400> 10740

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 tgaatggatc atttcctgcg cttttggctt ttggagattc aattctcgat actggcaaca 180
 acaattttct cctgactttt atgaaaggaa atatctggcc atatggaagg agtttcagca 240
 tgagaagggc gacaggaaga tttggaaatg gaagagtttt ctctgatata gttgctgaag 300
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<210> 10741
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-A11

<400> 10741

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 tccacagcgg agccaagcag agcagcttcg gcgctgtcag agtcggccag aaaactcagt 180
 tcgtcgtcgt ttctcaacgc aagaagtcgt tgatctacgc cgctaaaggt gacggcaaca 240
 tcctcgatga cctcaacgag gccacaaaga aagcttcaga tttcgtgacg gataaaacan 300
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 ccgcagatac attgggtaaa gaagctgaga aagctgcggc gtagt 405

<210> 10742
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A3

<400> 10742

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antacccccca ncttttggtga tttgaaccat ttgatattctg ccactatgtc tgggtgtgact 180
tgctgtctga gggtcccttg tcaactcaac tctgacctcc gtaagcttgc tgtgaatctc 240
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tcanagcagt agcgtccctt cacagtccct gagctcacc agcaaattgtg ggactccang 360
aacatgatgt gtgctgcaga cccaacgcac ggacgtacc ctacancct ctgccatgtt 420
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<210> 10743

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A6

<400> 10743

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aatgatttga ctgagcaaga gggtttcctc tcttgtgctc tcggttggtg cattgaatgg 180
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caaccttgct gggtcagagt tcttcagggt ggtatggntg ccatcaatga tggggattct 300
acttcgcaat cacatccaca ggattctcaa aaagcatttc cgtgataagc cttactatgt 360
tgaccttggt gatttgttta atgaggttga gttgc 395

<210> 10744

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-B12

<400> 10744

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ctcattccat ctaatccaac acacggaggc ccaacgtttt gttggtaaata gcttggaaaac 180

tgtgtcaaga agattgcctg caaaggagct cttagcggac ccattccttg ccgcaactga 240

tgagagagat ttggcgcttc tttttagatt gccgcaacaa ttggcaatcc agaatttggc 300

tgcaaatgga acggtggtag agcatctgcc gtcaacgact gatccaacta gaacaacaga 360

tatgtcaata acaggaaaga tgaactcaga agaccacacc atcttccttc aagtacagat 420

tctagatggc gatggtcaca tgaggaacat tcagttcccg tt 462

<210> 10745

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 10745

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agaaattctc cgacaagaaa ccggagagct ctgatccgga gccaaaccac aacaaaaaca 120

aaccgcgtca cacggagcca acaacacata aaccgcgtca cggcgagcca acaacacata 180

aaccgcgtct caacaccgat ccaacaacac acagaccggc tacgaacgct gagctcatgg 240

ctagtgccaa gatcgtagcc gaagctgctc aagccgctgc tcgtcacgag tcagacaagc 300

ttgacaaagc caaagtcgcc ggagccaccg ctgatattctt agacgccgct tctanatacg 360

gtaagctcga tgaaaagagc ggtgttggtc agtaccttga aaaggctgaa 410

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<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-029-Q1-E1-B5

<400> 10746

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ctgaagagac tccaatttga caagcagcta gcgatggaca acatccggaa gctggtcact 120
gaggetgatg gttaccagcc tcaattgatt gctcctgagc aagggtaccg tcgtctcatt 180
gagtcttcta ttgtctccat cagaggccct gctgaagcat ctgttgacac cgtatgaact 240
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ttcacaagtc tgtgaatgaa actgtggaac taaaacaata ccca 404

<210> 10747
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-C10
<400> 10747

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actttattga atcaccataa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgaaga acaatagaac cagacgaggt 240
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agcatctctg ctcttgaaca actcaagaac tctgcagctg atcgatatac aaaggaaaga 360
agcagtattg ttgtgattgg acttagtatt cacacagctc ctggt 405

<210> 10748
<211> 405
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-C11
<400> 10748

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aaaattcaca gatgtcgaaa ccttgggggtg gaatcggcgc atgggctgat gaggctgagc 180

gtgccgatga agagcaagct gctgaagcta cagccacggc ggcagattca cagagtttcc 240
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 cggagtttac caaaggagca tacactgctc cggagttctg ctggattgac gagagagcag 360
 atgcttcagc tacctactgg tccaagatna cgttctgagg atgaa 405

<210> 10749
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-029-Q1-E1-C12
 <400> 10749

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 tttgataaac gcttgataaa ttgcctcttg ttgtcacctt tgctacgaaa atgtctctgg 180
 tttgctcttt atcttgtgtn gctcccttgc cacagactaa acagtcncgt ccaagttttc 240
 tgaaactcga aacatgtacc ttaagtttat cttctccgcg tggctatcct aattttacca 300
 ccggtattag gaagcatatc anttacttgt tcaactgaacc gatcaagctt cctaggctag 360
 caaagagtcg gatattagtt a 381

<210> 10750
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-029-Q1-E1-C2
 <400> 10750

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 taataaactc ttaacgaaga agaagacttt ttcttttctt gagcaagctc tgagaaactc 120
 acagagaggg acagagagag aaatatttca ttcgctactc tctttaatac cgccattgat 180
 gcaacctcct tcgctgtaac tgtcaaaata ctccccaact gacaaaaatt aaattccttt 240
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atggatctga cccaagggtt cagagctaga tccggcggtg 400

<210> 10751
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-029-Q1-E1-C3

<400> 10751

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attccattct acgaaagcag ccagccaatt attgtgttta ctttgg 406

<210> 10752
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-C4

<400> 10752

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gaaacagata gtatcgattc cgtgatcgat gacgatgaga tccatcagaa acaccaattc 120
tcatcaacca agtctcaggg aggagccacc gtggtaatct ctccggctac aagcgtttac 180
gagctccttg aatgccctgt ctgcaccaat tcaatgtacc caccaaacc ancagtgtca 240
anaatgggac atactttatg ttcaacctgt aaatcaagag tgcataatcg ctcttgagaa 300
agtagctgag tcgcttgagt taccgtgcaa gtattacaat cttggatgcc ntgggatttt 360
cccttattac agtagactan agcatgagtc tcaatgtaac tttagac 407

<210> 10753
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-E1

<400> 10753

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gactgttctt ttggggcggt gcattcgctg ttggatctct gttgcagttc ttgtatgtta 420
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<210> 10754
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-029-Q1-E1-E11

<400> 10754

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aatccagttc aaacccatgt agtccccgag catcgtaaac ctcaaaccac aacacaaaaa 180
cccatgactc aaccaatcca tcagcagatt tcaacaccgt cttcaaattc agtctcagtt 240
cgagatccag atacgatttt aggtaaacca ttcgaagaca tcaggaaatt ttacagcttg 300
gggaaagaat taggtcgagg tcaatttggg attacgtata tgtgtaaaga gattgggtact 360
ggtaacactt atgcntgcaa atcgattcgt aaagangaag 400

<210> 10755
<211> 425

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-H8

 <400> 10755

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 gaaat 425

<210> 10756
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-F9

 <400> 10756

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<210> 10757
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10757

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aagg 484

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<210> 10758
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10758

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tgtcatgtgc cttagatact ttgagtggtc aagcttatgg agctaagcta tatcggaag 360
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<210> 10759
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-G2

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ataaggtgtg tcgatgtggg aatggtctgg ctctgctttt gatgaacgag aagaagctcg 420
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<210> 10760
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-G3

<400> 10760

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<210> 10761
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G5

<400> 10761

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nggaacca 428

<210> 10762

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G6

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gcaaaccaaa atgtgtgaag ccacttctcg aatatcaggc atgtgtcaag agaatccaag 180
gtgatgattc tggccacaag cattgcactg gccagtattt tgactactgg caatgcattg 240
acaaatgtgt tgcaccaaag ctgtttgcga aactaaaatg aaaagagggtg aagctggaga 300
ctctattgtc ntgagtttgc tacatgtggt ttaaanattg atcgtagaaa atnncangtg 360
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<210> 10763

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G9

<400> 10763

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ctctaagctc aaaagatggtt gttgagaacg atggcgggcga cttccccgcg gccaccaccg 120

tcaacatccc taacatctca gcagccacca tcacccccct cacagettcc cctccgtaca 180

atgccgggat cgtacggctg gccgttggtt ggaccattat cggaccgttt agattccaag 240

gacccgataa gtttttccgg acaagagctg agaagtataa gagcactgtg ttccgtacaa 300

atattcctcc gacgtttcct ttcttcggca acgttaaccc taacatcgtc gccgttcttg 360

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tcggagactt ccggcctaac cttgggggttc tacggcgg 458

<210> 10764

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-H1

<400> 10764

gaaaattact agagaaaaca agaatggctg cgaatctaag gaacaatgcg ttcttgtctt 60

ctctcatggtt tcttctcttg atcggttcat catacgcaat cacaagttca gaaatgagca 120

caatctgtga caaaacctta aatccatctt tctgtcttaa gttcctcaat acgaaattcg 180

catcgccctaa tcttcaagcc ttggcaaaaa ccacacttga ttctacacaa gcgagagcta 240

cacaaacggtt aaagaaactc caatctatta tcgatggagg agtcgaccct cgatctaagt 300

tagcttacag gtcatgcgta gatgaatacg agagcgcgat tggaaacctc gaggaagctt 360

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gtggg 425

<210> 10765

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-H12

<400> 10765

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 catttcgaac agtacggtga aatccttgaa gctgttgtca ttgctgataa gaacactggt 180
 cgatccaaag gatatggctt tgtgacattc cgagatccag aatctgctag gagagcttgt 240
 gctgacccta cnccgattat agacggnaga cntgcaaact gtaatcttgc ttcccttggg 300
 aagacctcgg nctccattgc cctatgcagt gatacctaac atgcctggac gcttaagacc 360
 tgcntccccg tacattggaa atgtgcaagg gtcctcnagg ttcacctaata gggaaanta 419

<210> 10766
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-H2
 <400> 10766

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 ttccgactta tgtaacggat cagtgtacaa ggaaaaagag aatggaaagt gtggcagcca 120
 aatcaatggt tattatgaat catgtaaacc ttgtaatggt tctgatttgc atgataat 180
 agctgaaagt tccgatcggt tcggggagct atcgattaat ggaaacaaga taagtattaa 240
 gtctagcaaa atgagccata aagctgagggc acgttgcgga attagtgatg aatccaggaa 300
 aaataagaag tacaccatag caagaatatc gggaacccat tccataagtg tggattttcg 360
 acttttctaga ggcattgcac angtgaatga aggaaactat acgaaaagct aattccaatt 420
 ttgataaggg gctgaaagaa 440

<210> 10767
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-H4
 <400> 10767

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accagagtgc acattgttta ccccatcttc tgtcactctc tgagggttcga ggcgcaaaat 120
ctgaggacac gcaaaccat gcttaccgta tgtacttcat gggtcctaac aatttcaggg 180
aaccttggca tctgccctac tctcctcctg gtgcaatcat agagatagtg tacgaagatg 240
cttttaacag ctttattaat gaaataaact ctaccgcagc atatgattgg tgggaagggt 300
ctgtgcacag cattctttca gttcttgcaa atccttgtgc ctggtcgtgg aaacaatggc 360
gtcgcangag aaaaattcat cgccttcaag aatatgtcaa atctcaatat gancantcct 420
gcctccggnc aagcanattn aaagccncc aaaaaaggga tnaaggtttg g 471

<210> 10768
<211> 363
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-H6
<400> 10768

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ccaacgatga atctttggac caccgacgac aacgcttcta tgatggaagc tttcatgagc 120
tcttccgata tctcaacttt atggcctccg gcgtcgacga caaccacgac ggcgacgact 180
gaaacaactc cgacgccggc gatggagatt ccggcacagg cgggatttaa tcaagagact 240
cttcagcaac gtttacaagc tttgattgaa ggaacacacg aaggttggac ctacgctata 300
ttctggcaac cgtcgtatga tttctccggc gcctccgtgc tcgggatggg ganatgggta 360
tta 363

<210> 10769
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-H7
<400> 10769

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atcccgttcc ttctactacc ttgaccgtta cttcattgct cggagatcac ttccaccact 120

gaatgaagtt ggcctgacat gcttccgtga cctggtttat aatgagctac attctaaggt 180
 caancaagct gtaatagctc ttgttgataa agaacgggag ggcgagcaga ttgatagggc 240
 cctgctgaaa aacgtattag atatctatgt agagattgga atggggcaga tggagaggta 300
 tgaagaagat tttgaaagct tcatgcttca agatacttct tcgtantatt ctcgcaaggc 360
 atcaagctgg atcaaggaag atcctgcccc gaattaaagt tna 403

<210> 10770
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-F7

<400> 10770
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 tagacaatcc tcaacagcca aacgaccaca cggctctctcc gtccctagtca ccggagctgc 120
 cggattcgtc ggatccact gctcacttgc gctgcgaaaa cgtggcgatg gagtcttagg 180
 attcgacaac ttcaacgatt actatgacct atcactcaaa agagcaagac aagagctctt 240
 ggagaaacaa caagtgttca tcgtcgaagg tgatctcaac gatggaccac tcttacgtaa 300
 actcttcgac gttgtccctt tcaactcacat ctttcaacta agccggctca agccgggatt 360
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 tc 422

<210> 10771
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-C6

<400> 10771
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 ctctttctt tccacaattt ctgtctaacc aattccaaca ccaaaaaatt ccatttcttg 120
 acgatgaaac gaagccatca agaaacgtct gtagaagaag aagctccttc aatgggtggag 180

aagttagaaa atggttgtgg tgggtggtgga gacgataaca tggacgagtt tcttgcgtgtt 240
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 gaaatgggtct tgtccaatga tattgcctct tcnagtaatg ccttcaatga caccgtncat 360
 tacnatnctt ctgatctccc ggttgggctc a 391

<210> 10772
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-C8

<400> 10772

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 tgtaactctt attgactcta gtattagtcc agctttgccg ttgtgggttt tgaatgtacc 180
 ggggattcga gagattttgt tagcgttttc gtttggtttt gagaagctag tgagcttccg 240
 gtgctcaaag gagatgactt tatcggatat tgatgctcat aggatacttt tgaagggaag 300
 aaatgggaga gaagctgttg ttgcttcgtt aaacaagtta aaccatagct ttgacattgc 360
 acaatgggggt aattcagatg ggaataaagg gtattcccga angcaagtg 409

<210> 10773
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-C9

<400> 10773

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 ctactgcgat ttatcgacta ctaggagaag aagaagaaga agacgatgcg gagattcggg 120
 gctgggaaca gatccgtttc caagctcgta ctcaccattt gtgtanctat cctgttcata 180
 ccatctctat cgtatggagc ttcacaaggg aaccggaaga cggcgaagtc ttcngtgttt 240
 tccttgttca atcttaggga taaaagcaga ttttgagcgn agtctgtttt tcgtactgat 300

ttt gatgatt tgg agtcttc cgttcactcn aattctgggtg tgctgaatta cactaagtca 360
 ggaaatattg cgagttannt aganccttang ngaactcgat tcggtcnaac ct 412

<210> 10774
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-D10
 <400> 10774

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 ctagtcgtaa caatggccgg aacagcattc tccggtagct tcaacgaaga gtttgactta 180
 acttgggggtg aacacagagg caaaatcttc agtggaggaa aaatgttggtc actctcacta 240
 gaccggggttt ccgggtcggg ttttaaactcc aagaaagaat atttggtcgg aagaatcgac 300
 atgcagctta aactcgtcgc cgttaactcc gctggaaccg tcaactgccta ctacttgtca 360
 tcggaaggac caacacacga cgagataaga ctttgagttt ctggnaa 407

<210> 10775
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-D2
 <400> 10775

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 ggagtttgga ttagccactt cgagttttct ggggtactcaa ctaatcccgg ccactctgtt 120
 tagcaaacga gctcgagctt tgtctctcac cgtcacagcg accggtggca gcagaaacaa 180
 taaggtttac acgaggcttg attcttgtct agtgattcct cctcctccta aattcaagaa 240
 accgcgtgct attgttaaatt tcttgggagg tgccttcgtc ggagctgttc ctgaactcac 300
 ttacagttac cttaaggagc tactggcaaa ggaagggtat ttgatagtat ctgtgccgta 360
 caatgttaca tttgatcatg aacaagctgc taangcaagt ttangagaag gtttaattca 420

tgcttggacn cgatgtccca tcggaantca a

451

<210> 10776
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-D3

<400> 10776

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cataaaccta tttgttgagc caggcttggc ttaaccactg gcctttttcc agactaaatt 120
atgtattgct cttcttcgat gcatccaaat gcaaacaaag aaaatatctc tacttcagat 180
gtacaggaga gttttgtacg aataacgaga tcacgagcta aaaaagccat gggaagagga 240
gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag 300
gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaagg angcaacatc 360
aaggcaaaca gaaaatgtct aaaagagcta aaanaagcan caaaaggaag gggctaaaaa 420
gtgccatgg 429

<210> 10777
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-D7

<400> 10777

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ggatagcttc aacgtctccg atcttactgc tgctcttaag gacgaggatc gagctggcct 120
tgtcaatgct ctaaagaaca agctgcagaa tctggctggg cagcgttctg atgtgctcga 180
gaatctgact cccaatgtga gaaagcgcgt tgatgccttg agggatatac agagccaaca 240
tgatgaacta gaggcaaaat tccgtgagga gagagctatt cttgaagcca agtatcaaac 300
gctgtatcag cttttgtatg tcaagcgta tgagattgtg aatggcacta ctgaagtga 360
actggctcca gaggatgata ccaaggtgga ccaaaggaga agagaaaact ggana 415

<210> 10778
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-D9

<400> 10778

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tttgggataa gtctgaagat aggttaggtc ttattggttt gggttttgct ggtattgtag 240
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gattcgaact agttggtatc ttgttctcca cgtgggtcac atatcgatat ctcttggtca 360
aaccggacag acaggagctt tcgaaaattg tcaagaaatc nag 403

<210> 10779
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-028-Q1-E1-E1

<400> 10779

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cttcttcttc cttcatcatc cccaaacaca cacaaactaa aaaaaaggca aaaccctaga 180
tccaagatca gacctaattc aatcgaaact catagctgaa aatgaagag agatcatcac 240
caattccaag gtcgattgtc caaccacggg acttcttctt catcatcatc aatctctaaa 300
gataagatga tgatggtgaa aaaaagaaga agacggtgga ggtaacatgg acgacgagct 360
tctcgctgtt ttagggntac aaagttaggt catcgggaga tggcggaggt tgctttgaaa 420
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<210> 10780
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E11

<400> 10780

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 gctacaccta ctgcttccgc cgtcgccaag gtgacagaaa ccaccannnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc aacagccgcc acaaccaccg 240
 gttgtactaa gcccttgtgc ggcttgcaag attttgcggc ggcggtgcgc cgataaatgt 300
 gttttggcac cgtactttcc tcctacggac ccggcggaagt tcacaatgc tcaccgtgtc 360
 tttggagcta gcaacattat taagttcttg cangaacttc cagaatcgca aaag 414

<210> 10781
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E4

<400> 10781

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 acaaacaaaa gttggcaagt ttaactaagt gaaaagtcta tggcgggagac aacgagttgg 180
 atcccagtat ggtttcctct gatggtgttg ggatgttttg gtctgaattg gttggtcagg 240
 aagggtgaatg tgtggctcta tgagtccagc cttggggaga acaggcacta tctgccacca 300
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 aagcacacat gttccggaaa ccnagtttta anagttacca act 463

<210> 10782
 <211> 421

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E5

 <400> 10782

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 tcagatcctg tgacttcagc aacccttagt attgtgcagg tcttctgggg tttggacaaa 300
 aagcttgccc agagaaaaca ttttccctct gttaaatggg ttgaatttct tactcaaagt 360
 nattcaanng gcactnggaa tnccttccaa tgaagaaant tccgattcca agaatttcan 420
 c 421

<210> 10783
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-028-Q1-E1-E8

 <400> 10783

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 agtttagcta caaagtctgt cttcatcgaa ttaagatcta tctgattttt ctgggtgggt 180
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 ttgatttgtt ttatatatta agcggcagaa tttgaggttg acntgagcga gaatctggat 300
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<210> 10784
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-F10

<400> 10784

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tttgcacaag aatgatcaac gcatgattcg gattccagga tagagaatcc atggctactt 180
tcaatgttct ttgtagcaat cgatttagat tcaatggagg ttattctccg gagaaattta 240
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aatcgtttag ttgcaggaga cttggtgggt ttatggaaat tggtgaaacc agattagggg 360
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<210> 10785

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-F3

<400> 10785

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ccagtgttgc ttccttcttt gtcagtcggg tggatactct catggacaag atgcttgagc 180
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tagcatacaa gctataccag cagaaattct ctggccaag atgggaagct ctggtaaaag 300
aaaggtgcc aagaacagag acttctctgg gcatcaacaa agtgtaaaga accangctta 360
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<210> 10786

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-C5

<400> 10786

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 tccggtggcc gccatgagca tattaaacta cctaaagaac atgacatccg tcgtgtgtat 180
 gggacgactc ggtagccttg agctcgcagg aggagcetta gccatcgggt tcaccaacat 240
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 tctcttagct tctcttccca tatcaatcct tttggctaaa nctcngcct cnaaaggctg 420
 aatgcccc 428

<210> 10787
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-F5
 <400> 10787

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 gcaaagaggg cgccgttatg accgtcaacg gcgagtttcc tggccccacc ataaaagcct 180
 tcgccggaga caccatcgtc gtcaatctca ccaacaaact caccaccgaa ggccttgtca 240
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 ctcaatgcgc aattaaccct gganagactt ttacctaaa ttccactgtt naaaanccgg 360
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 tgattgtgga cntgg 435

<210> 10788
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-G1
 <400> 10788

gaagctgagg aggataaaaa ccctaggggtg agtgagacag agagaagcga aaatgggtgca 60
 gcgccttggt taccgatcac gacacagtta cgccacaaaa tccaaccagc acaggatcgt 120
 caaaactcca ggaggtaaat tgacgtacca gaccactaag aagagagcta gtggacctaa 180
 atgtcccggt accggcaagc gtattcaggg tattcctcac ttgaggccaa ctgagtacaa 240
 gaggtcacgt ttatcaagaa acaggagggga ccgtgaaacc gtgccttatg gtgggggtttt 300
 gtccgggttc tgctggttan ggaaaagaat catccgtgcc cttcctggtg ggaggagcaa 360
 aaagantggt gaanaaaggt tttgaaagcn tcaagaaagn aaanggaaaa aggtgctccc 420
 caan 424

<210> 10789
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-G10
 <400> 10789

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 tgcacccggt cgatgttccc aatgggggtgg ataaaagatg ttacggtgng agattcttcc 120
 accgaaccct atatcggtgc gcataaccag cttcttgctc atgccacggt cgttgatcta 180
 tacaggacga gatataagta ccaaggaggg aagattggac ctgtgatgat aactanatgg 240
 tttctaccat atgatgacac tctagagagc atacaagcaa cttggagggc caaagaattc 300
 ttcttgggat ggttcatgga gccgctaaca aagggtaaat acccatacat catgaggaaa 360
 cttgttggtg atcggttcc aaagttcaac aagcacagaa gctcgctttt taaagggttc 420
 aaaatgattt tcctgggncc aactattact cactcaatan agcccanncc ccttganccc 480
 aagtcctccg ggaaaaattc ct 502

<210> 10790
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-G2

<400> 10790

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gactggtaaa gaaagaaaga ttgctgcttt ttagatttag attcgatgaa tgtatggaag 120
atctggctctt gacaggttta agaagtccca aacttcggaa cccttctctg tatcagcaaa 180
tcctcctccg gtggtacaac aacatctgtc tccggaggca ttgtcggggc aaaaaactca 240
gattggagct ggtcaatcaa actggcatcc ccctgattgg gcgattgagc ctctgtccgg 300
tgtctactct ctggaagttg tgaaanacgg ccagatcctt gatcggattc atctacatag 360
acgaaggcat atcttcggga gacaacatca gacttgtcat tttgtccttg atcatcagtc 420
ngtttcccg cagcatnccg canttggtcg cacnangaaa ggcancaccc ctgtgatt 478

<210> 10791

<211> 197

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all,n locations

<223> Clone ID: LIB24-026-Q1-E1-G9

<400> 10791

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gagcttttat cttagtaatg ttgaacttta tgtagtactt atgtaggaga gactttataa 120
ttctaagtct ttattctgga tcttactgct gtcgtattta ggtgatgttt gnnnnnnnnn 180
nnnnnnnnnn nngggcg 197

<210> 10792

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-026-Q1-E1-H1

<400> 10792

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tgacggtagg agtcaccact tttggcgggc attccttggt ctctattttt tttgcacaag 120
caacatttag cttctgcaaa ctccagttca tctctcaacc ctcatatcgc cgtgttttct 180

cgctctagta ccgcgagctc ggacgaacca ggaagcaatc cgттаатста gaagcgggtgt 240
 tgagaagatg acgattacat caaatatctc tgtacagaac gataacctcg ttgttcaagg 300
 gaagactatc cttaccanaa tccctgacan cattatccta actccggtta ccggttaactg 360
 gattcgtttc cggttcattt ataggcgca cgттгаана naggangagt cttcatgtgt 420
 tcccatcggt gtattggcan ggtcntcggt tcatgtgccg ttccgggtta angccagggg 480
 gggatgga 488

<210> 10793
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H2
 <400> 10793

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 tcctggggtg tagctgggtt aatggttctg tagacatttg ataatgaagt ctctcacttc 120
 attttgtttg ggtgatgtaa aatgttgta gtggatttta ggtgaggctt aatctcatgg 180
 attattcttt tgaaatcccc tcaggtgaat cagtgaaaat tgagaaagtg atgttcaact 240
 tcttatctct taatccttca tttgctctgt cacacattga agcctatttt cggttgcagt 300
 ttgttaagtt ttcattggaa gcgttggtct tggagtgttc tgaagttgac tttaactctg 360
 aaagaagaag gatatgcttt tactgaagtt atcatgggaa gcactttttg tggagtttac 420
 aggagtgtct atgccgttgc agtattcgag ggatcgctt tgatctgcca gtccgttctc 480
 tggta 485

<210> 10794
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H3
 <400> 10794

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aagaagaaga aatcagagag aatgtcgtgg caagcatacg ttgatgagca tttgatgtgt 120
 gatgtcggcg acggccaagg tcaccacctt accgccgccc ctatcatcgg ccatgatggg 180
 agcgtttggg ctcaagagcg taattttcct cagttcaaac ctcaagagat cacagacatt 240
 atgaaggatt tcgatgagcc tggtcacctc gctcccacgg gtatgttcct cgcagggcta 300
 aagtatatgg tcatccaaag cgagcctaata gctgtcatcc gtggcaagaa ggganctggg 360
 ggaatcacga tnaenganna caggacantt cantgggtgtt tgggctgtac gaaagagnca 420
 gtt 423

<210> 10795
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H5
 <400> 10795

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 acgaattgag ggagaagtcg aagagcgatc ttcaaaacca gctgaaggaa ctcaaagctg 120
 agctcgctct cctccgtgtc gctaaagtca cgggaggtgc tccaaacaag ctctctaaaa 180
 tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 240
 ctgctctaag agaagcatat aagaacaaga agttgcttcc tcttgatctc cgtcccaaga 300
 agaccctgctg tattcgtaaa cgctcacca aacaccaang cctcgtttga agacagagcg 360
 tnagaagaag aangagatgt atttcccat aanggnantn tgcctntnca anttttaaat 420
 ttttaccggc naaaaaaacc gggtt 444

<210> 10796
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-H6
 <400> 10796

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ggccagcttg aatttttcaa cgtggatgag ctcgagacaa tggccacagc tgaacacttc 120
atggccacgg atatcgaatg ggacccgact ggaaggtacg ttgcaaccgc agtgacatca 180
gtccatgaga tggagaatgg gttcaccata tgggtctttca acgggattat gctttaccgg 240
atattgaagg atcattttctt ccagttggct tggcgtccaa gacctccatc attcttgact 300
gcagagaagg aagaagagat agcaaagacc ctgaagaagt acagcaagaa gtatgaggca 360
gaggatcagg acgtgtcgtt gctgttgagt gaacaagaca gagagaagag aaaggcattg 420
aagggaagaa tggggagaaa tggggtaatg cagtgggaagt ctctgcatga aaganggaga 480
aaccctgaa g 491

<210> 10797
<211> 196
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-H9

<400> 10797
ggagacattg tgctattgct ctgcgagga ggtctaggca tctctccct gccttaaaga 60
gagcttttat cttantaatg ttgaacttta tgtagtactt atgtaggaga gactttataa 120
ttctaattgct ttattctgga tcttactgct gtcgtattta ggtgatgttt gataaaanan 180
aaaaanaaaa aagggc 196

<210> 10798
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-A12

<400> 10798
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tngcgancaa ttccagattt ctgcttcant caatctcggg angtnacattc tccaccgtga 120
atcccantcc aactgcttca cctgatcgtc gtacttgctg cgaattcgat aacctcagct 180
tcaaagccgg aagctccggc gatttcgaag ccgtacgtcg tctcctcaac agccgcgtcg 240

taaacgcgtg tttcaacacg acagctactt tcaaattcct aacaaacaca gactcttact 300
 cctcctcctt agaagatctc cgccgtattht tgccctcagac cgacgccggn gtacactcgg 360
 aaacactcct acgaaactct cancgctcgt ctctgnaaac tcggggcg 407

<210> 10799
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-A2
 <400> 10799

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 ttcgtnnaga caacatngaa tgataatgag aagaagtcta agtctgagaa gcatcacgat 120
 gatgatatta atggctgttt tggctctggtc agtgactcta gagacctgca ttgccagaag 180
 aggaagacat tggngacata nccaccgaag ctcttctgac ttgtctgatt ccttgtcaaa 240
 caagaaaccg aagagccatg ggaacagtca ccaccacagt tctcacaaca acaaccatca 300
 ccacaagtct aaacctaaac cgaaaccaa gctgaaaacg ccgccaaaag ctcanagan 360
 taactctccg gtgggtttcag ggccaccaan ngccaacca acgcctcttc cgccctcanaa 420
 gggatctcaa gttttcaatg tgatgggatt ttggngc 457

<210> 10800
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-A8
 <400> 10800

atcttttctt ctcttactc tccatcaatg gcttctctta tctctttttc ttgtctccca 60
 aaacccaaaag ccgtaagaag ttcaatttca gctcctcaga cacagacaat aaatactgaa 120
 aagcttgaag ataaattcgg acgaaaaggc ataaaattct cggaatcaaa caacattcct 180
 atggtagagc ttaaggctcag aaatggaagt tcattaaaac tgagtctatc agatgctcat 240
 gtactttcat ataagccaaa ggtatactgg aaagacgagg gattcgagga agtcctttac 300

acagttgatg gtgatgagag cagangtggg gttggtgttg ttatcgtaaa cggggaagaa 360
cctaaaggag ggtcttcagt aatctcagga tgtgattgga gtgtcaagg 409

<210> 10801
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F4

<400> 10801

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cccccccgaa tcccccttt tcccnccaaa aaatcctttt cctcaantaa ggnttcctcc 120
cgcttgccct ttaaattcct ctccaagctg atctgatctc cgttaccgat ggagtctact 180
gctaacgcac tcgtcgtcaa ggtgagctat ggaggtgtgc ttaggcgttt caggggtgcct 240
gttaaagcta atggacagct tgatcttgaa atggctgggc ttaaggaaaa gatcgctgct 300
ctctttaacc tctctgcgga tgctgaattg agtctgactt actctgatga ggatggggat 360
gtggttgccc ttgttgatga caacgatctc tttgatgtta ctaatcagcg tcttaagttc 420
ttaaagatca atgtgaacgc tggcgtgtcc actaactctg ctgctccaaa gaataatggg 480
aa 482

<210> 10802
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-027-Q1-E1-A9

<400> 10802

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ccttctccaa gcccttgcg aaaggaaata acatctgcgc aggccgcca taatacttta 120
aaagaagcta aagacttgaa acatacagct gaccgtctca agaattctgt atcaaacctt 180
gagcacattg agctctactt ccaagcttgc ctttaagtttc ttcacggtgc ttttcttttg 240
gagatgagta gcaacgagag tgctagacaa ggagaaacaa tggccaatc tatgaagatt 300

tatagtangc actgcgaatc ttgtcggtatt ttgtgcccac gagtatgaga agtctaaaga 360
tatgggaact gctgccctgg cttacaaatg catggng 397

<210> 10803
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-C7

<400> 10803

gggccagaaa cctgggactt ctggactccg taagaagggt aaagtgttta agcaaccaa 60
ttaccttgaa aattttgtcc aggcaacgtt caatgctctt actacagaga aagttaaagg 120
tgcgacactt gtgggttctg gtgatggctg ttattattca gagcaagcta ttcagattat 180
agtaaagatg gcagcagcta atggtgttag acgtgtgtgg gttgggtcaaa acagtctgct 240
atcaactcct gcagtatcag ctattattcg tgaaagagta ggggctgatg gatctaaagc 300
cacaggagca tttatcttaa cagcaagtca taatcctggg ggcccaactg aggatttcgg 360
aattaantac aatatggaaa atggtggacc agctcctgaa tcaatcactg ataagattta 420
cgaagaacac aaagac 436

<210> 10804
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-D1

<400> 10804

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acatcactcg atctcaagag ctgaacagag tttggagtag acgactataa tttctgtttc 120
tattgagagc tatggcacta cgatcagtaa gcaggaggct cgggagcaga attttgaatc 180
aacgttcctt tggtgcttcg cttactctc atgccacaag tttcgggttt caagaagtaa 240
aggaagaaga gaaaagcana ttggttggtg atgtattcac caatgtagct tcgagtttat 300
gatattatga atngatgtga tgagtgggtg tttgcatagg ctaatngaaa ggaaanactc 360

ctttgggaaa gccnaagtcc aattngcaac gggatgaann catcttngat gttggccgga 420
 gggaacaagg tgatgttggc cttttaggat ctaatgattg ctgtttacag ttgtcaaacg 480
 aaganccatt gcaggaaagt tgattnaggc ttc 513

<210> 10805
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D11
 <400> 10805

gcttaagtgg aagaaagttg cagccactaa atcagatccg acaatgccga agcaaattcca 60
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 gagaagcaag gacattgtga agttcaaggc caggtgctca aggtacctct acacactatg 180
 tgtcttcgac caagagaagg ccgataagtt gaagcagtct cttcctccan gtttgagtgt 240
 gcaanacctt tgaagatctt atgaaatcag gatctatcat ggntttatat acccttgtct 300
 tagatgattt tgttttttcc ctttctgctg tccttttgaa tgacnatgat tcaaacttcc 360
 gttgagtttc cttcntataa cttcangacn anaatttatg aattgtgggt gnaanntttt 420
 tttgcaaaaa aaaaaaaaa 438

<210> 10806
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D12
 <400> 10806

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 tatgagtttt gattatccgg atcctgatct tcacgangat ctgtatcagc tgatcaagta 180
 ttcatgtgga gaaatgtgtt caacanaaca gttagataag gtaatgaagg tatggacaga 240
 atttttggaa ccaatatattg gtgttccttc tcgccctcaa ggtgccgaan accganaaga 300

tgctgtcaag tctacaaacc atgaccgaga agaccaagaa gatgctgtca gtcctcaaaa 360
 tggagctant attgccaact ctaagccgtc naatgggccc c 401

<210> 10807
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D2
 <400> 10807

ggggaagacg gacgtgtttg atctacctta ccgcatggct agaggtcaaa tagaagaaag 60
 tttgcgtact aagatggctt ccataaagga aagcatggct cagttacaag atgcacctaa 120
 aagagcatct gttacatctg aagcaacaga gagagagctt gaactcgaag ctcagcttgt 180
 cgaggcaaga agcataatcc aagaacagga gtccataatg tcgaaacatc tcccaaaatc 240
 agagcagcga aggggaatctg tagcttcgtt ggcagctgag ggagtatgaa aatgtctagg 300
 agtcaaaaat caagtggatc caagttgcta aaagagactt gtcgcaaaaat gtagtcgtag 360
 tactgtantc actaccacca aaactctcct tggatatacna agtgatgtct attcaacctt 420
 tanttgtgac aaatcagga 439

<210> 10808
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D4
 <400> 10808

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 aggagctgtt ctcatggcga tgggttcttc tttccacaac gtaggagcaa agcagagtgg 180
 tgttggtacc gtcagagttg gccggaagag tgagctcgct gtcggttgctc agcgcaagaa 240
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 gtgagtctat attcttttct ttttaaaaat tttctcgtga ctaaggctat cttcatgtgt 360

actcgcaaaa actgcgactg aggaagctaa gaaagctttg gattatgtga ctgagaaaagg 420
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 tgccactgat 490

<210> 10809
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-D8
 <400> 10809

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 caaaaattga gagcgtctgt gttttcactt gcatgttctc aattcctaata gttgtttgcc 180
 gtttcattaa ccggattcga gactcttccc gctggatttc tttttttcac gtcttctttt 240
 ctatttttta tggatttggt attttgacat gtttaagcaac cttcgtaata cagtttaaaa 300
 tcggtgcttt ccgaaatttt tagaagaaac atggaagctt aaaattttga aattgctatt 360
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 tgggaatgaa aaat 434

<210> 10810
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-E1
 <400> 10810

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 ctctgctaga ctttaagcttc tctcaagcaa cgatggatta tcttttggtg tagattcgag 180
 agaccaattt cggcagagcc ttacatggc cggtggtgga tctcctttgg ttccaatagc 240
 catgagccga ctaaagtttt gtgctagaat cttctcatct tactcttttc cttataagag 300

aaagaaaatt agggatctcg ataacaccga gaaaaatctt gatattgacg aagacaacga 360
 tgagtgggat tttgatggan acgatgatgg tttagagact gatgatcaat cttcctgctt 420
 canaaggctt ggggcc 436

<210> 10811
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-E11
 <400> 10811

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 cctccccctt tatctctctg gaacccccga accgactgtt gtaccggctg gaccggcgctc 180
 gaatgcacta accgtcgcgt taccgggtctc agcggttacct ccggcgaagt ctccggtcag 240
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<210> 10812
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-E12
 <400> 10812

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 atctacctag ctacaatggg tgtcatttat tgcatactct acagcatcga ggactttgat 180
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 caacttcatt ctctgcccga ggattttaa tccagccgaa ccacattcat actatttcta 300
 gggacgatgt ctgctattct ggggttggtga gcgaangatt cntggatgtc cctttccggg 360

ancctctgtt tctcatggg tgtcatgtgt atcatcaaaa ccaactgctt ggtctgngat 420
taatttgaa aaa 433

<210> 10813
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-E5

<400> 10813

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tgcgacactt gtggtttctg gtgatggctg ttattattca gagcaagcta ttcagattat 180
agtaaagatg gcagcagcta atggtgttag acgtgtgtgg gttggtcaaa acagtctgct 240
atcaactcct gcagtatcag ctattattcg tgaaagagta ggggctgatg gatctaaagc 300
cacaggagca tttatcttaa cagcaagtca taatcctggg ggcccaactg aggatttcgg 360
aattaagtac aatatggaaa atggtggacc anctcctgaa tcaatcactg ataagattta 420
cgagaacaca aagac 435

<210> 10814
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F10

<400> 10814

ncttctttct gcanatttta ntttcccgag aaaatcatca ctgatgaaaa atgctcgtctg 60
tgtttgagaa gacgggtggcg aatagccctg aagctttaca gagtccacac tcgtctgagt 120
ctgctttcgc gttgaaagat ggatctctcg ctactcattt cgcttccgtg aatcccaact 180
ccgtcacgct taacttcgga tcttcnggat ttgttgctta ctctcgtgat aatcctgata 240
ctcgtgttcc tagattantt gctgtgggtg angatatttt cngtcacttc naagggnaca 300
ttgagaacct accgtttcga gaagcaacag tatggactga acatnatcac aaacgaggnc 360

atcattgtga ttgaggctta naag

384

<210> 10815
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-F11

<400> 10815

ntgttttccg cgcgcacggt ccaaaaatcc cgggtcgacc cagcgtccg nataaataaa 60
actaataaag aagaagaaga aaacagagca attaaagtcc ttaaattctt ttcttctcca 120
attcaatggc tcttccgttg ccattgatct tccttatctt ctctcatttg ttcgtttctg 180
gagttagatc aacgagcttc attatggtga acaaatgcga atacacagtc tggcctggac 240
ttttatcaaa cgccggagtt ccaccacttc cgacgaccgg attcgttctc caaaaaggcg 300
aagaacgaac aatcagcgt ccaacttcat ggggaggaag attctggggg agaactcaat 360
gttccaccga caccgacgga aaattcactt gtctcaccgg agattgcgga tntggtaccc 420
tcgaatgctc ccgggttcgg gngnaaacac cagcaggcaa cactangcgg ggattcagac 480
ctagacnggt 490

<210> 10816
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-026-Q1-E1-F2

<400> 10816

gattcaaagc caagtctcct gagcagttta attacttata ggaattggga gaagctggcc 60
tactatcctc ggcggccaag cacattggac agttggactt gttgctatat tgatttcttt 120
ctgtggtata attgcctcag acacgtttgc ttttcttggt ggcaaggcat ttggtagaac 180
tcctcttatt agcattagtc caaagaagac atgggaagga gcttttgcag gacttggttg 240
ttgtatttcc attaccattt tactctccaa atcgttgtcc tggcctcaat ctcttgctcag 300
caccatagct tttggagttc ttaacttctt cggatcggtc tttggtgact taactgagtc 360

aatgatcaaa cgtgatgctg gtgtcaaaga ctccggctca ctcatcctgg gacacggtgg 420
catattggac aga 433

<210> 10817
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-026-Q1-E1-C6

<400> 10817

gaaaaagtag cttctccaag acgcggttcc caatatctgc gtttcccgtt tgcgttttcc 60
ggcaatggct ctccaagcca ctactactac gttctgcttc tccggtccaa ctttccgac 120
aactcctcac tcaactcatt caaaacgtcc tatctccatc aaagctacta cttcttctcc 180
ttcaagactc tccaattcac gatctaattc caaaggaaga gcattgtcta gtgatgggtc 240
aacacaagaa tctccttatg tagtctgttt tggagaaatg ctaatcgatt ttgtaccgac 300
gacaagcggg ctttcattag ccgatgcacc ggctttttaa aaagctccag gtgggtgcac 360
ctgctaattg agctgttggg tattgctcgt cttgggtggg tcttcagctt tcattggaaa 420
ggtggtgaag atgagt 436

<210> 10818
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-H1

<400> 10818

gcagccgttt aacttgatca tcccaaagat gtttgagatt attcaggcgg tcttctccgc 60
cgggggttgca ctagctcttt tgacattcgc cgggtataacc ctccggcggt cagtggctgc 120
atgtatcata agcacaccac tttttgtcat tttcagtcct gttctcgtgc cagcgactat 180
agccactaca ttgctagctt cagggtttcac agcctccggt tcctttgggtg ccacggcttt 240
caccatcctt tcgtggctct acaagaaacg tacagggagg gactaccagg gaattcagga 300
ntgacgccac cggctccccg cgtctanncc agcaagttcc gggcgtntaa accaacagna 360
atcgggggaa atacgaatan ggcggttccn aantttggga tgaatgtata aangaacttt 420

gata

424

<210> 10819
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-H10

<400> 10819

gaaacacttg aattaataact gtttttttac tacttgtagt aaaaccatga agcgatcatc 60
cttggtcgat tcttggtcat attcgagaat atttcgcagt attttctgtc tcttatcctt 120
ttgtatcttc ttcttgacaa cgaccaatgc tcaggtaatg catagacggc tctggccttg 180
ggcattgtgg ccacgggcgt atccacagcc gtgggcaatg aatccacaac actgaccatc 240
acaaagcctg tcgcacaact ggccaacatc aaaaactgtn gcacaacaag gccaaactcaa 300
gccgttanca acaagcaaag gcttnaancn aggncccaac aaggcccttc ccaattcang 360
ggcaataacc nccanctaag gntcnaacaa angncagtgg nnacnacnnn atggccccc 420
aaaactccta a 431

<210> 10820
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-025-Q1-E1-H11

<400> 10820

gaaaaaagaa aaaagtatgt ctcttcttcc ccatctcatc ctctaccta cacttttgac 60
ggtggttgtt actggagaaa ctctccgacc aagattctac agcgagacat gccctgaagc 120
tgaatccata gtangaagag aaatgaagaa agcaatgatc aaagaagcaa gaagcgtcgc 180
ttccgtcatg cgtttccaat ttcacgactg ttctgtcaat ggatgtgacg catctctgtt 240
gcttgacgac acaccaaana tgcgtggtga anaactagcn ctttccanca tcgattcact 300
aagatctttc gaagtcttga ngacnttcaa cgaagctcta cananagctt gtccagctac 360
tgtttcctgt gccnanatcg ttancatggc cgctcgtgaa gccnttgccc ct 412

<210> 10821
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H12

 <400> 10821

gctataacgc gtgatgagat acctaaaaga agcaaaagaa gttcggtagt tgaaacataa 60
 atttttagtgc tcaaacaag taaactcaaa ggaaacagct cctgatcaga tttagggtctc 120
 tatgagtagg ttttaagtct acaaagataa cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncntccentt acaagtaaata 240
 ccttcanttt ttactcctgt ataatcatat tttccttggt gttagttccc taagtttcaa 300
 caagccatta ataatttctg taaanggatt tgggtagata gcatccaagt gatgcancn 360
 caaatttaaa cttcacnagg ccttccacct taaaagccng acttcaaach accaaccctt 420
 tgggaaggtn aacc 434

<210> 10822
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-025-Q1-E1-H9

 <400> 10822

gagtaggaat gggaccttgt ggagaattga gatacccatc ataccctgag agcaacggga 60
 cctggagatt ccccgggaatt ggagagttcc agtgctacga caagtatatg aaatcgtcac 120
 ttcaagcata tgctgagtca atcgggaaaa ctaactgggg aacaagtgga cctcatgatg 180
 ccggcgagta caagaacctc ccagaagata ctgaattttt caggagagac ggaacatgga 240
 atagcgagta tggaagttt ttcatggaat ggtactccgg gaagctgcta gaacatggag 300
 accaactcct atcttcagcg aaaggtatct ttcaaggaag cggaacanag ctatcangaa 360
 agtanctgga attcactggc actacaacac cangtccaac gcagctgaac taaccgctgg 420
 atac 424

<210> 10823
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A12

 <400> 10823

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gggcaccaga aacagcttgc tangattcac tacgacgtcg tttcnggttc gtctccagct   60
gtggataatg gctattctct gaaattgatt ctattcacta ttttgttact ggggattttc  120
tcagcanacc aaaacaggat ttatTTTTTtC tggggatttc tgagattgga agaaaatgtt  180
cagcttttca aagaggcgca tgagacttgg cagagttaag aaggtacagc tctcggattc  240
tgttcaagga tataagagtc ctttacgaag tgaccaaacg cncatgatagc tctagtaatg  300
aagctgctgt tgctgcaact anttattctg atgaacttga tttccagcct tcatnaggga  360
attccgaaaa ttggatggng ttatcggtta                                     390
  
```

<210> 10824
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A3

 <400> 10824

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nccaaccaag ccttcggaag gncccttggg tgactacaag ggttttggtg ttgaagattc   60
agatgctgag tctcctagag atatccattg ttcagtcgag agtacagact tttccgctag  120
agtgaaaaaa catattgaag aacctattaa agatatagaa gtttctagcg tttcacctac  180
tgaaaactgt tatcaatcag ggagagaggc tataccctca gttactccca gtactcctct  240
cacggccctt agatacaca catcagctga gaaacctgca agtaaaacta ctgggtcatc  300
aacagtaaat tcgaagcggt cttcgtcctg gggaagaggc aacggcaaga aaacacctgc  360
taaaggatca tttgattcct caggaaatga cgagcttctt atacagaggc tcgagcacat  420
gaaagatgaa ctgcgacaac gaatcgctaa agg                                     453
  
```

<210> 10825
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A4

<400> 10825

ctgtttacgc ctgcccgtac cggtcnnaaa attcccgggg tccgaaccca acgcctnccg 60
 ngtcccgttt cttccttcaa ctgaagtccg actaagttga ctcgttctct cgtgttttcg 120
 atagacacaa actatgacgg agatcgatcg ttcacgcgcg ttcgccaaag acgttaagcg 180
 tatcgtcgtc aagggttgga ctgcagttgt tactgggaaa ggtggaagat tggctcttgg 240
 acgttttagga gctatctgtg aacagcttgc ggagttaaac tcagatggat ttgaggtcat 300
 tttggtgtca tctggtgccg ttggtcttgg tcgacaaagg cttcgatata gacaattagt 360
 caacagcagt tttgcagatt tacagaagcc acaaattgaa cttgatggga angcttgtgc 420
 tgggtgttggg caaagcaagt ctcatgggct tactatgaga ctatgtttga ccaattggat 480
 gtgacggntg cccaaatg 498

<210> 10826
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-A7

<400> 10826

gcccacgcgt ccggtcaaga tggctgtccc gtgtttctac ttttctctgt aaacactagt 60
 ggacaatttg ttggttttagc cgagatggta ggcctgttg atttcaataa gactgttgaa 120
 tactggcaac aggacaaatg gattggttgc ttcctgtta agtggcattt cgttaaagat 180
 atccctaata gtccttggtt ctttcacgaa caggaatgtt gggaagactc ttgtttccag 240
 gactcanggt accaanattg cctctgangg actgaaacac anggtgtttn anggttcncc 300
 tgctgatcta caaaatgatg aggataatgc ctacangaag atccgtctta gagctgaaaa 360
 tgttcaaggg aangaatgtg ttgaccaat tctggggtaa ggattcacia ncg 413

<210> 10827
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B11

<400> 10827

gttattttctg ccgnccagcg gtccannana cncgggtcgn cccacgcgtc cgttcancat 60
 catcatctac tcttttctgcg tttttcccag ctgaataatc taaacaagga aaagtaaaac 120
 agagtaccaa tctcagattc atcagctcca cttgaattta aagtagccat aactgttcga 180
 tcataggatg gaagaagcaa ctcaagtaac gagtttctgag gtccctgtag tgaaagggtga 240
 tgttgatgac cttaagacag ctgatatttc cgtcaaggct gtgaatggga gaagtgccaa 300
 aggaggagaa agaagaggaa gatggggaat tcataaaagt tgagaaggaa gcttttgatg 360
 ccaaggatga tgcggagaaa agcagatcat gttcctgttg aagagcaaaa aggaagttat 420
 tgaaaagaag ctcgagtggg ttcacangag aggaactaca ttgaatccca aaganaaggg 480
 g 481

<210> 10828
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B12

<400> 10828

gaaaattttc tttctacaaa tacttttgact taagagttgc aganatatca agttaanaaa 60
 taaaacagaa ggagaaatgg caataagttt tagaactcta gctcttttga ccctctcggg 120
 gttactaatt tccatatctc tcgngnctgt cacagcaaca gagtcgcaga ggaatgaagg 180
 ggangtgctt acaatgtacn ancaatggct tgtagagaat gggaagaact ataacggtct 240
 tggagagaag gagagacggg tcaagatctt caaagacaac ttgaagcgca tcgaagaaca 300
 caattcagat ccaaaccgga gttatgaacg cgggttgaac aagttttcgg atctaacggc 360
 tgatgaattt caagccaatt acttaagtgg gaagattgga aaanaaaagc ctat 414

<210> 10829
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B4

<400> 10829

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ggttcgcatc ntgccctccc ccgagagaga gagtcnnnnn nnnnnnnnnn nnnnnntct 120
cttacgaagc tacgtgtgac ctaacattct ccagattgtt gtttatagcc tcttcttaga 180
tttacgattt gtgagcttgt gaagatttct tggtagaatt agagttctct gtttcgagat 240
cgagatgaat aataataata ataataagagg aagatttcca ccggggattg gtgcggcggg 300
tcctgggccg gatcctaatt ttcagtcacg gaatccgaat ccacctcagc ctcaacagta 360
ccttcagtca cggactccgt ttccacagca acctcagcct cagcctcctc agtatctcna 420
gtcgcaatct gatgctcagc agtaggttca gcganggtat cccagcagg atcaacagca 480
ncc 483
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<210> 10830
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-026-Q1-E1-B7

<400> 10830

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gctttatcag gggggtgtat ggaagataaa agtggaactt cccgaagctt atccatacaa 60
atctccatct gttggatttg tcaacaagat ttatcacctt aatgtcgatg aatcttctgg 120
tgctgtttgc ttagatgtta taaaccagac ttggagccca atgtttgatc ttataaatgt 180
gttcgaatcc ttccttcgc aactgcttct atatccaaac ccatcagatc catttaatgg 240
agaagccgct tctctgttga tgcgagaccg tgcagcctat gagctcaaag tgaaagaata 300
ttgtgagaaa tatgcaaac cagaggagat tttaagnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatcggtg gggaaa 416
```

<210> 10831
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-026-Q1-E1-C1

<400> 10831

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cgtecgccca cgcgtccgca cacaccact catggcgtct cgaagagttt tatcatctct 120
tctccgttca tcttccggtg gatctgccgc caaattagtc aaccgaaacc ccaggcttcc 180
ttctcttca cccgcgcgtc acgccgtcc atgtagctac ctctcggcc gcgtcgccga 240
gtatgcgacc tcttcaccgg caagctctgc tgcgccatcc tctgctctg ctaaggatga 300
ggggaaaaag acctatgatt acggtggcaa angtcgcgtc gggcgtgttt gtcanggtca 360
tcggtgccat tgcgatgtg agattcgagg atcaggaagg attgcctccg attatgacat 420
ctcttgaggt tcaggntatc cnacaaggnt gggtncttaa gggttccaaa aantttgg 478

<210> 10832
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-025-Q1-E1-G8

<400> 10832

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cggcgattcg attgccgaca ctggaaactt gctaggtctc tcagatcata acaatcttcc 120
tatgagcgcg ttccaccgt acggagaaac tttcttccac caccacaaccg gtcgtttctc 180
tgacggtcgc tcatcattg acttcacgg tacttctctt tatttatgtg taaattgact 240
gttttggcgc agttttgtta gggttaaattt acataaaagc attctaattt tgtgtgttct 300
gttactgaa ttcttaggtt tcttatgtca aatctttctc tgtttttcta tttcttgaa 360
cagcaagtta acattgtgaa acctcaagtg gatgctcaa atttggtttt ccttgcaact 420
gaaatttt 428

<210> 10833

<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-D10

<400> 10833

gaaaaagtag cttctccaag acgcggttcc caatatctgc gtttcccgtt tgcgttttcc 60
ggcaatggct ctccaagcca ctactactac gttctgcttc tccggtccaa ctttccgata 120
aactcctcac tcaactcactt caaaacgtcc tatctccatc aaagctacta cttcttctcc 180
ttcaagactc tccaattcac gatctaattc caaaggaaga gcattgtcta gtgatgggtc 240
aacacaagaa tctccttatg tagtctgttt tggagaaatg ctaatcgatt ttgtaccgac 300
gacaagcggg ctttcattag cccgatgcac cggcttttaa aaaagctcca ggtggtgcac 360
ctgctaattg agctgttggg attgctcgtc ttgggggggt cntcancntt caatgggnaa 420
ggttggtgaa gatgaatttg ggnt 444

<210> 10834
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-D3

<400> 10834

gctctgccga aatccataaa tctcttctc tctctcttcc ttatttaatc gtcacttgac 60
cgccggtaag aaactcgaga gtttgaatcg ttttttaacc ctccggtg attattgact 120
ggaaaacacc aaacgaatcg aagcagttag ttacaggta gagcagtgac agctgagcaa 180
aaaaaaaggc ggcggaaaaa aaagtagtag tagttgatga tgatgaagat ggtgaaacag 240
attcgtatag ggttttctaa tcggcgggtg tcgctgttcg tgaactcttt attggagtaa 300
gtaaaaagcg ccagagagag agatattgtg tatttgcnt tttgggtctg ttttgggatg 360
gggaaagtgg cgggttgctt tttgcggcgg ttgctgttgt tgccggcttg ttctgttgcc 420
gcggtgatgg ntgggaaga 439

<210> 10835

<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-D4

<400> 10835

gaggaataac atattggcag ctaaaaagaa atgggaagaa gctggtttta caatgtcaag 60
aatgactgat attcacggtat atgaagaaac aaacgaggaa gaagaagata tctgggagga 120
ggatgatggc aagggttaaaa ctgattcagt caagaacgtg gctcatgtga tgagaactca 180
gcagagttag aattcatctt taccatcatc aggtgaagca aagaagtcta catcagaagc 240
taggtccaat aaagtgtcga aactaaaaa agttggaagc agtggaaact ctcttagaga 300
caagctaatt tctgaagcgc ctgtgatgaa ttggggatca cagttgacta attgggaatc 360
aactacggaa gttcgagcta attaccgggg tttagagatn gagaaccact ggggcaaggt 420
ngattaaaga tgcc 434

<210> 10836
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-D8

<400> 10836

gggcatccat tgattctctc caattccatt ctctctgcaa tctccagtcg tcgattggaa 60
gagccaagct ccagaatcct tcaagtttgg ttattttcag acggagaccc gtaaactctga 120
attgggttca attcgaaact aaaggaagtt tcgtgtgtaa agcgattggt gattcctcga 180
ctccagatga agatattcag aactcctaaa gtgatgataa tggtgtgtgt gttactgcta 240
cgactcagag tgacattccc catgattccg agtattcaat ttcgaggttt cgaagtatgg 300
ttaccacact cctcctgtgt gtcttctcga tgaagaagtg ctcatgaac agcatttgga 360
ttgggggtctg catcacggct actgttttgg tcgctgcnat agggctatgt antcagaaag 420
tcaagagata at 432

<210> 10837

<211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-E1

<400> 10837

gaagggctta tcgctttgac gaagagctag ggttctaatac aagtcagacg aagagatatt 60
 gactgccgcc gatgaagttc ccaccattga tctcctccgt aagatcggtt tctccgaaac 120
 gattcttgat cggttcttcc gaccattctt cggcggaatt ttcttcgaca gagacctcga 180
 gacgacctcg aagctcttcg atttcgtttt cgggtgtctt gctctcggag aaaacacact 240
 tccagccatg ggaatcggag aaatctcgaa ccagttggca gcgaagttac ccgctaagtc 300
 cgtcttggtg aacacaaggg tcgcttctat tgagtatcca aatggatcgg gttcggatca 360
 cctagcgtga ggctccaaga cggcagcgtt atgaaggcag agctangtgt cataatcgcc 420
 gtccaacaac cgga 434

<210> 10838
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-E10

<400> 10838

gctaccgaag gatcttttag acctaatttc aaaatctcta gaatcttctt tcgatctcat 60
 ccaattccgt tccgtttggt cntcatggcg atccgccgcc nagccgaaaa gtcctcttcc 120
 aacacatcat ctcccgatcc tccnganha cggggggagt ctcttcnctg attccgccgt 180
 tggtttccgt ctctcgcagc ggagtatctt acttatcaag cctcatgaac cgtgtatcga 240
 atcngattcg tttggatggt tgatcaaagt cnaggaagat cttaatgttc ctcgtaaggt 300
 gacncnttta gatncgttat gtgatacaag aaactcaatt ccngagaant tccctcgtgt 360
 tcncnacagg tcaaagttha acggttccag aattgggtcn tgaattcaag cttcannaat 420
 ncacaactgg tggggaggan t 441

<210> 10839

<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-E4

<400> 10839

gcacacttgt ataccaaccg ttgcgcttg gaacaatctt gattctcgca taccacgaat 60
cgaaaatcaa tactcgaaaa cgtaacctca ttggttacat tctattcaca anatccacat 120
tcttgctcat agttttggat ttggcaacaa aaggacgtgg tggaatcggc ccttatatcg 180
gtttatgcgc tgttgttgct tcttttggcc tcgcggatgc tacagttcaa ggaggaatga 240
tcggtgattt atcattgatg tgccctganc tagttcagtc attcatgggg aggtttggct 300
gtatctgggtg cgctaacatc agcacttcgg ctaatancta aagcagcctt tgagaaaaca 360
aacgacggtc cacgaagaag gagcaatgat gttcttagct atctccacat gcatagagtt 420
actctgtgtg tttccan 437

<210> 10840
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-E6

<400> 10840

ggttctcttt tattgttttg atactgtgct ctgcttcgga gagtgtagaa agagacagag 60
ctaaagtctc tgtgtttctt ctcagcagga ctaaaaggaa aaaaggaaat cgattgctaa 120
tgtcgggtga gaaacaagcg gaggagtcaa tagtagtctc cggggaggat gaggtggccg 180
gtagaaaagt ggaagattca gcggcggagg aggatattga cggcaacggg ggcaatggat 240
ttagtatgaa gagcttcctc tggcatggcg ggtccgcttg ggacgcctgg ttagctgtg 300
catcaaata agtggcacia gtgctgttga cgctgccgta ttcgttctcg cagttgggaa 360
tgttatcaag aatattgctt caaataatcc aatgggttaa tggggatctt ggactgcnta 420
acgcaacaat gtc 433

<210> 10841

<211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F1

<400> 10841

gagaagaagg aggaggtata gcaatggggg tcgattatta caagggttctt caggtggatc 60
 ggaatgcgaa agacgacgac ttgaagaaag cttatcgcaa actcgccatg aagtggcatc 120
 cagacaagaa ccctaacaac aaaaaagacg ccgaagccaa attcaagcag atctccgaag 180
 cttacgatgt tttgagtgat cctcaaaaga gagccatcta tgatcaatat ggagaagaag 240
 gtctaacaag ccangctccg cctcncggag caggcggcgg gttttcggat ggaggggctt 300
 cgttccggtt caacggtaga agcgcagatg atatcttctc ggagttcttt ggcttcacaa 360
 gaccatttgg tgactcacgt ggtgcangtc ctctaattggg ttccggttcg cggaagacgt 420
 tttctcgtca aatgt 435

<210> 10842
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F10

<400> 10842

gcggaacncgt gggccttaat ttgcgttcgt tgtgaaacca tagatccagg tgaattctgg 60
 aaaacatctt gaagcgaaat cgagacatcg ttggaggatc aaaacgttaa ttcgattgat 120
 cgatgaatcc tanaaggag cctcgtggtg gtagaagttc tctctttgat ggcacgaag 180
 agtgaggaat tagagctgct tcttcttact ctcatgagat caatgaacat gagaatgagc 240
 gtgccttgga gggattgcaa gatagagtca ttctcttaaa acgactatct ggcgatataa 300
 atgaagaggt cgatactcat aaccgcatgc ttgacagaat gggcaatgat atgaattcat 360
 caagggggat ttctctcagg aaccatggac cgctttaaaa acggtgtttg agacanannt 420
 caagccgaag aaaggctgac gncc 444

<210> 10843

<211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F11

 <400> 10843

 aactgtttat ttctgcccgn ccccggtcc gaaanancec gnggtcnacc cacgcgtccg 60
 aaaanagaga ggctctgata aaaaaaaaaa caaaaaaaaa tgacaaaggc ttattcaaca 120
 cgtgtcctca cgtttctgat attgatctcg ctaatggcgg tgacactgaa cctttttccc 180
 acggtagagg caaagaagcg gagtagagat gtcctatag tgaaaggctc ctcatggaac 240
 ttttaccaga aagcatgtcc gaaagtcgaa aacatcatca gaaaagagct caagaaagtc 300
 ttcaagcgag atattggttt agccgctgcc atccttcgta tacatttcca tgattgcttc 360
 gttcanggat gtgaagcatc agtgctgcta gctggatnag ccagtggacc aaggagaaca 420
 atcatcaatc ccaaactctga cactacgaca acaagccttt gtcgtcatta anaacttcgt 480
 gccctcgtcc aaaagaantg cg 502

<210> 10844
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-F12

 <400> 10844

 ntgttatttg ccggcccggg ccgaaataac cgggtcgacc cacgcgtccg cngacncgtg 60
 ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggga agatcgtgac attggtactc 120
 gtcgtcttcg tcatactttc gacatcattc ccggtcgcca tcaaagccga agacacggga 180
 gatacaggaa atgtgggagt gacatgtgac gcaaggcagc ttcagccttg ccttgccgcg 240
 attacgggag gaggacaacc cttaggtgca tgttgtgcaa agcttacaga gcaacagtca 300
 tgctctctgt gtttcgctaa gaaccctgcg ttgcacagt acattagctc tccaaacgct 360
 cgcaaagtgc tccttgcttg caaatgttgc ctaaccaaac ttgttgaaaa ctttatctag 420
 aagantttta naaatannnt aaacgnaang gaattaaatt tcattaatnn caaaccggtta 480

nggtccantt caaccggtt t

501

<210> 10845
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-F2

<400> 10845

ggaanaagan agatgccagg agcaattgtg gnggaagaga aatcncagat tgaatccatc 60
aaagagcaat tgaaactcga gaaggaagat gatgttggtg tggnggatgt gaaagacggn 120
gaggaagaag acgatgatga agacgatgag gacgtcgaag ttgaagggga atgtggaaat 180
gagaatgcan agcaaagtan aagcgagaag aaaagtcgca aagctgttct aaagcttggc 240
atgaaacctg tctcaagatg tcagcanagt gacaatcaaa agancaaga atgtgttatt 300
tgtcatctcg aagccaagat gtttacanga gtcccaatgc agagacttac gtcatttttg 360
gagaagccaa tgtcgacgaa tttgagctct cagctacaga ctcaagctgc nca 413

<210> 10846
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-F4

<400> 10846

gggcaaactc cagagatgag gatggtgcaa aacgagtatt ctttggcgga gaacgctttt 60
tagaaggaat ttctggccaa gcatatatca cggttcagag aacagcacta aacagtccac 120
ttgggcttga agtccagttg cacattccag aagctgtttg tccagcctta agtgaaccag 180
ggttgctgac tcttctccgc tttctaactg gaatgtactt atgcctaaac cgaggagatg 240
tggaatccaaa atctcagcag tctgctgaag cagctggacg ttctcttgte tccgttcttg 300
tggaatcatgt atttctttgc attaaagatg ctgaattcca actggaactg ctgatgcaat 360
cactcctttt ttctcgggcc tgtgtttcag acggagaatc agctaactat ttaactaaga 420
ttttgattgg ngggct 436

<210> 10847
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-D1

<400> 10847

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gacagacgat gagggagata tgatgcttgt cggatgatgac ccatggcctg agttctgcaa 60
catggtgaag agaattattca tatggtcgaa agaggaagtg aagaaaatga cgcctgggaa 120
ccaactccgg atgctgttaa gggaagttga aacaacacta acaacaactt ccaaaacaga 180
taatcattcc aactaatttt tattctattc tctatcagtc ttcgtctcct tcttatttgc 240
tttgtctttc ggaattatct tggttggtgc tgtgttttgt tgcgcattggc ttaaacaaga 300
aactacatcc cctgaggcaa aaaaaatggc tccgtttttt ttgnggcccc ttatggagaa 360
aggggggttta tggggagaag ggttttctac ttttanaata ggcttttggn agttttcctt 420
ttc 423
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<210> 10848
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-A6

<400> 10848

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gatttccatt acccaatccc gctccttttc tctgattttg aatcgaaccc ttaataccca 60
gaaatctcac ggttccgagg agtgggtttt tggggggttag ggttttcgag agatgttgaa 120
tgtcagggtc attgatgaat ctgttttctc tctgcttcaa gccattcggg cacgtctgtg 180
ataattccga agctggatcg ggtggtggtg gtggcgtttc tgggtggaacc ggcggtgaag 240
gcaaagacgg attgcttttg ttccgtgatc tcggtaaata ttgcggcgga gatttctcca 300
tggctgtgat tcaagccaat caggttcttg aagatcagag ccaggtcgaa tccggttaatt 360
ttgggacttt tggttggtgtt tacgaaggtc atggtggtcc tgaagctgcn ccttaagtcc 420
ggtga 425
```


<210> 10849
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-024-Q1-E1-A7

<400> 10849

ctgtctgctt aggtccctgc agagatttcg aaatcgctac ttccaatttc tccagaaact 60
ttctttctcg gcaaaattcc cggaaaaagc cactcgatca gcagatggtc aggaaggaag 120
atgtggattt ctattgcgga ttttcaagga aagagcttca gagtttatgc aagaagtata 180
atttgcttgc caatagatca agttccgata tggctgaatc attggcttct tacttcgaga 240
aaaataattt gaaccggtga agttttgggg tccttgggaa tcaagatagt tcagcgacaa 300
cttctagagc accagcgatt agaacatgga atgtgaaaag agattcttat ggtaacaaat 360
tgggatgtac ctagagagga ttatgttcaa ggtgcagtgg ctagagaacc aagcattatc 420
cttgga 427

<210> 10850
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-A9

<400> 10850

gcnaatgtgt ttataaatct ttttatttct tatctgtctt gatttagttt tatctttttt 60
ggaatcggtc tgaagtggga caaaagaatc cgccattttc tcctcggctc ctctgctctt 120
ctcttcagta tcggatctgg gtctccttcg ctttcgtttc aagattattt tgggagacga 180
ggaggcggtta gctgtaattc attgtatact tgctttggct attaaagccg tcacacaaaa 240
aaagtaaaag caacacacac acataaatag acacactttt ttacgtatat gtgtgtcttc 300
tttcgtctct gttgggaata gatcttgtcc taagagatna cttcnaagtc tgatctaaaa 360
gtgaagaaac tttggntccc tggtttgggt tttttggaac ctggcnaaac ctgggggaaa 420
ataatgggaa atgagtcnc ca 442

<210> 10853
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-B12

<400> 10853

gnntcagana tctttcagtg ctgacggtaa tgtttccccg aagaaaccaa ccactttaac 60
 cgagggttgca aagcaaagan agctgagcgg gaacttgcta accgaggcgg atttaaanag 120
 caacaagcag atatcaagtg ctaagattga agagatcagc ggtcatgaca tctttgcacc 180
 tccatctgag attcagcctc natctttggt tgcngcacag caagaagcta gaggtaacag 240
 anacatggga gagcctgcac caaggaactt acgcacttct gttaaagttt ccaaccctgc 300
 atggaggaca aagcaacata ctattcaatg aagaacctgt tgtgaagaca tcaaagaaga 360
 tnentaacca gaagtttcaa gaactcacag gcaannnat tttcaaangn gataatccct 420
 ggtattgcgg g 431

<210> 10854
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-024-Q1-E1-B4

<400> 10854

ggtccacagc attgtgagta agatgatgat taatgaggaa ctgcatgcaa gctgggatca 60
 gccaacacga tgcctcgtct tccatgaagt gcaacacagc agattacaat cattggcttt 120
 ccagttaacg gagaaactct cgattttggc agaaagcaat gagagggcaa tggaatctag 180
 aaccggtgga ggtggtctgg atctgagttc aaggagaagg gacaacaatc aggactatgc 240
 aggagcagca tcaggtggtg gtggatattg gcaagacaag gcgaattacg gacaaggaag 300
 acaaggcaac agatcagggt atggtggagg aagatcatct ggacaaaatg gtcagtggtc 360
 agggcagaac cgaggaggaa ggtatgcagg aagaattggt tcaagaaaca gaggtatgca 420
 aatggatggc t 431

<210> 10855
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-B5

<400> 10855

gcggaacgcgt gggcggaacgc gtggggcaag agctcgttca gactatgatt atctcatcaa 60
gcttctcctc atcgggtgata gcgggtgtggg aaaaagttgc ttgttactgc gtttttcgga 120
tgatactttc accacgagtt tcattactac cattggaatc gacttcaaga taagaacagt 180
cgaacttgat gggaagcgta tcaaattgca gatatgggac actgctggac aagaacgttt 240
tagaactata accacagcat attacagagg agcgatgggt atattactcg tctatgatgt 300
aacagatgag tcatcattca acaacattag gaactggatg aaaaacattg agcagcatgc 360
gtccgatagt gtcaacaaga tattggctcgg taacaaagcc gacatgggac gaaaagcaaa 420
anggctgtcc caac 434

<210> 10856
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-B9

<400> 10856

gagaaaactc catggatgat acacaagtta aagctctaga agagaagctg aagagtcagc 60
taagtcagct tgaactcgag caagcgggtgt tcgagagaat ggtttacaag aataagaacc 120
agcatcggag atgctcttat tttcaatacc ttctcaagggt gagaagagaa ttgagacttt 180
tacgaacagc aaacatggag ggtatgttga gaccttgctt tcatgttata tctgggagaa 240
taagtaaaca gaaaatccat gttttggaga gcttgaagtt gaaaaaatct gatactggga 300
aaccaaatat cttggaacgg cttcctggag ctctcgttt actctcacag atgactgaac 360
ccatccttaa aggcaaccta gtgggaatat ctactctact aaccccgntc aatcctcata 420
aggatttccg gtgacanttt tggcg 445

<210> 10857
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-C1

<400> 10857

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aattggcgac tcaaactgtg ctctctctct tctgtnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncatggcgag cttcttcagg 180
ttttggcccg atgacggtta caatggctca accaccacct gcacctagcc agcatcagta 240
tctgaaccgg ccttgggtat tcaaggacaa tgataatgat atgtctcttg ttttgaattt 300
aggtegatac accgagccag ataattgtca gataagtatg gcacggcaat gggtgagttc 360
gagttatctg atnaccatca tcaaagttag gagacagtac atgggaagat gagaacacaa 420
gggcttatga ctcct 435
```

<210> 10858
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-C10

<400> 10858

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gcgatcact agttctgtat tttgaagggt tttcttgga aagaagaaa caaagctaag 60
aatgaggaat tcaacaacca tcatgatgat aatgatgatt gtgatgatgg tggatgattg 120
ggttgagca gcggacaata atccggtgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
ngtccagctt tctccctgtg atactcgtct cggttttagct gcgaaaatgg cgcagcttgc 300
gctttttaga cctaagggtg acgagatctc tcttctctca tcgacacaag taagttaaac 360
ccgagtgaag cangtggatt catggtggga ttcgcgggct caaaatatgc agcaagatna 420
tatcctgtga aggttca 437
```

<210> 10859
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-C3

<400> 10859

gcttctggct ctctctcttc ctaagtttcc tctctcttta gaactgtaga gagagaaaag 60
cctccatttt tctcaaggca atctctctct ctctgcctca tctcataaac ccattacacc 120
aaaacctcat cgtagagaga gaaacacacc aaccattgtt acactctaag agaagagaag 180
agagaaggaa aaatggacgg tgtatcacca aagtttgtgt tgccggagac attcgacggc 240
gtgaggatgg agatcacagg ccaactaggc atgatctggg agcttgtaaa agcaccagtg 300
gattgtccct cttcttcaat tagctgttta catctgtttg cttatgtctg tcatgcnttt 360
atgtgagagg gtttacatgg gaatccgtca tgcctctcgt caaactcttc tgg 413

<210> 10860
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-C6

<400> 10860

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aacttaattg aaacattaca atggcaaaga attcttatgc actgtctggg ttaattgtgg 120
ccctagtcat cgcattggta tgcaacattg atgacgctgc agcgagagac gtgaagctag 180
tgaagctccg cgatgtaaaa cccgaaactt tgaacaagtt gaaaggagaa aaagaaagtg 240
aactcatgca agcagaggag aaaaacaatc ttctaaagga aattgagaag gcaaagaaat 300
tgctcggaga attgaaaacg ttaaagaagc aatcaactgg tgatatgaaa agcgaattga 360
aatctttggg tgaaatctga atcgttactt aatgaaattt cagattctct gaagaatgga 420
acgtncacc atattaaag 439

<210> 10861

<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-C9

<400> 10861

aactgttact ctgccggccc ggtccaaata cccgggtcca cccacgcgtc cgaaaaccgc 60
ttccgctcgtc aatggcgtga gcctaaacaa gaaagaaaat ttatcagcat gttattgcta 120
aagagaggaa aggagattat ttgggaaaga ctgttcaggt tgttcctcat gtcactgatg 180
caattcaaga ttggatcgag agagttgcgg ttattccnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatcc gcgcctttta 300
tcgaggcgct tgggtcaattc tcttaccgtg taggcccagg gaatttctgt ctgggtccatg 360
tcagcctcgt gcctgtgctt aatgttggtg gtgaacagaa aactaagccg acacagcata 420
atgtcaaggg gctacganga ttgggcttga cccngatatc ctancntgta ggagcacaaa 480
gccacntgaa 490

<210> 10862
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-024-Q1-E1-A11

<400> 10862

gatttatctt cactacaaaa aaaacaagta aaataaagcc aatcttctta aatatctcca 60
gaagatctat cagcatttac gtattcaggt cctccaattt cttctcacia agaaaaagga 120
agaaaaaaaa gaagttgtga gagcaaagaa aaaatggcag tggataaagt gattgtgaag 180
cagaggaaca ttatattggt tggattccaa ttgatgaaag tggcgtagag gttttaaaat 240
gggcacttga agaagttgca aaacatggag attgtgttgt tgttgtocat gtttgtttta 300
cttattaccg tgccttgaaa agcaagtcac cgctggatcg gtacttaaaa ccatacattg 360
aattctgctc aacaaagaag attgagctca aaggngaaan tgtaaaggga aatccattt 420
caaggggttt tagttaaaga anca 444

<210> 10863
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F5

<400> 10863

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gcctcgaaca aacaaattat aaacccattt tccttcataa atttctaaaa taaaaccct 60
taaactttca ttcacatcat ccaacccccca atgggctgaa tcttgaaccg tacggtgtta 120
atgactcttc tagtcgtaac aatggccgga acagcattct cggtagctt caacgaagag 180
tttgacttaa cttggggtga acacagaggc aaaatcttca gtggaggaaa aatgttgtca 240
ctctcactag accgggtttc cgggtcgggt tttaaatacca agaaagaata tttgttcgga 300
agaatcgaca tgcagcttaa actcgtcgcc ggtaactccg ctggaaccgt cactgcctac 360
tacttgtcat cggaaggacc aacacacgac gagatagact ttgagtttcc tggnaatgaa 420
acaaggaaa 429
```

<210> 10864
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F7

<400> 10864

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atgagaagtg gcttgncgcc gnantcgccg ccgttaagca aaatgcnttc tatatgcanc 120
gcgctatcga ctccaacaat ctgaaagacn ctctaaagtt ttctgctcaa atgctcancg 180
agcttcgtac ttccaagctt tctcctcata aatactatga actctatatg cgatgttttt 240
aatgaattgg ggactttggg gatattcttc aaggaagaga cgggacgtgg ttgctccatc 300
gcagagctct acgagttagt tcagcatgcc ggtaacattt tgccaagatt gtagctttta 360
tgtaccatan gatctgtana tntcaaatacc aaggatgtta ctgctacn 408
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<210> 10865

<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-F8

<400> 10865

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attgtatccc ttctttccga gtcgtacaat ccacatgtcc gctatggcgc agctcttgca 120
gttggcatct cttgtgcagg cactgggtctg agtgaggcga tatctttgtt ggagccactt 180
acatcagatg ttgtagactt tgttcgtcaa ggtgctctga ttgccatggc catggtgatg 240
gtccaaatta gtgaagcaag cgattctcgc gttggagcat ttangcgtca acttgagaag 300
ataatacttg acaagcatga agatacaatg agcaagatgg gagcaatttt gggcttcagg 360
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caa 423

<210> 10866
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-F9

<400> 10866

gcttttcaca tcaccgattc agagagaaca ccgaatatga ccgccgattc aaccgtcgca 60
ctcgttcata gcgtcgtttc taacgggtgat gtctccaacg gaaacacctc cgcttcctct 120
aagaaatctc gtgagattga ccgtcgccgc cgcagacgga agcagaagaa gaacaacaaa 180
gcatcccaag ccgatgtaga tgcacgggac gtttctgctg cttctgaatc caaagagaat 240
acagattccc agccacaggt ttgtgancaa antgtgatag agatgttcca aagcaaagct 300
gaaatttgaa gaatggttta acgaatannt taaaggaatc cttcgagaag ttcaacttcc 360
gcgaacctct tgcctctgaa agaagacggt acgaaagatg antctgagga aaaagaaant 420
tcaaa 425

<210> 10867

<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-G11

<400> 10867

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agtgttcttg ctttgtcgct tcaacgctta agtttgatt tgtgtgagtc tgcataatca 120
tggcgaggaa gatgcttggt gatggtgaga ttgataaggt ggcggctgat gaagccaacg 180
cgacgcacta tgattttgat ttgtttgtca tcggtgccgg gagtggcggg gttcgtgctg 240
ctaggttttc ggctaactcat ggcgctaagg ttggtatttg tgagcttcca tttcacccta 300
ttagctctga ggagattgga ggcggttggtg gaanctgtgt tatccgtggt tgtgttccta 360
aaaaagattc tcgntcnatg gagctactta nggtggtgaa cttgaggatg ctaaaaaan 418

<210> 10868
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-G2

<400> 10868

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tgggtttttc aacctcagcg tcaccgtcga gattttgtct caatgttccg gtggtgaagc 120
agggttgga gaattcgtgc cggagaaggg ttttaagagc aatggtgcag gaaacagttc 180
aaggatctcc tttggtttac gccagagaaa tggagcgcct ttctgctaag gaatcgctac 240
ttctcgcttt gaaggatgct ggaggctttg aggccttagt tacagggaaa acaactaata 300
tgcaaaggat cgatgttaat gagaggatta cgagtctaga gcggcttaac ccaactccga 360
gaccaancac gtctccttgt ttccaaggca ggtggaattt tgagtgggtt ggatctggaa 420
ntcctgggtt actcgctgct ccaagttana ttcgagaggt tccctcaaca attgg 475

<210> 10869
<211> 482
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G4

<400> 10869

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nnaaatttcc gatttcactt tcacatctcc ctctctctta caactctcta tccgtagttt 120
cagtttcgtc ctanaatttc ttttcttgtc tgttccagat gaaattgtga gttctccgag 180
ttanatgcat ccgttagaat caaagcggta atcaaaagca gaatttanag gantganaaa 240
gatgggtttg ggggtgttcc ctttgaaaag cancaagaaa cgtggctctg tttctatgaa 300
gcggttggat cttgaagaaa gcaanccanc tgctttacct gagccaccaa agattccaag 360
tcgtaattta caatcagctc ntccgagttt cagaactcnt gtgaagcaa ttcaatctaa 420
caacggtgga accgnggaga tgagtanccg ancaagatca tgtccgctcc gtcaagcnac 480
ca 482
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<210> 10870

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G7

<400> 10870

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ggctcacaag cttttctacg cttaatctgt aactatgccg ctcagactcg agatcaagag 120
aaaattagcg caaaggctctg agagagttaa atctgtggat cttcatccta cagaaccatg 180
gattcttgca agtttgtatt ctggaacctt gtgtatttgg aactaccaga cgcaggtgat 240
ggcaaaatcc tttgaggtga ctgaattacc agttcgggtca gccagtttg tagcacgaaa 300
gcaatgggtt gtcgcaggag ctgatgagat gtatatccgt gtatacaatt acaacaccat 360
ggacaagggt aaagtgttgg aggctcattc agactacatt angtgtgtgg ctggttc 417
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<210> 10871

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G9

<400> 10871

gcttcttcca ggaaacgatc aaagggtcca aaaacccatc agaaacagga aaagttgatt 60
gaagctggta tgagcgagaa gatcatgaaa caagctcttg cccaacaaaa ggaagttgct 120
gatgaagaga acgccgagag aaaccctagt agcgccgctt ttgctgttgc cggcgctgcg 180
actgctggag aggagcagaa aattctggag gaggaagaag atgatattga tgattttgat 240
gggaaccttn naaaccaana gcaattncat aaancagaag naaattatng nggatnatna 300
aaattngttg agtcnadcct aaataagaaa tgcncctccc aaacgtncgc taacnganan 360
catttcgaag aancccaaag ataaagggtgc cgacttacct aaaaaaaccc gtncca 416

<210> 10872

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-H1

<400> 10872

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aaagcttcga gtccecatca ctatataccc tccaagatg caattttcaa gaaactcaat 120
ccttaggcaa ctaagccgaa aagaagggtg gagatcggct tctaaaagggt ggacttccgg 180
agatagctca acagccttca acgacgacac aagtgggtgt ggttactcat caatggagggt 240
tctttatgga gtttactccg gtggagacac ggcgccgaga agtaagagag tgatggttgt 300
agttgatgaa agttcgaggt ctaagcatgc tatgatgtgg gctttgactc atttgactaa 360
caaaggagat ttagtgactc ttcttcatgt tgtgtctcct gatgatgaag ctactccttc 420
tttgggctca atctcctggg tctctttgca aaagcntggt aaaccc 466

<210> 10873

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H10

<400> 10873

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tcncttaagc 120
ttttcttaat tattantata attttctctt cttaatcccc aaatcnctg atggattcat 180
gaaccangat cggttgattt gagtttccgg gtttgatttt tttccctttt tgtgaaattg 240
ggttggaatc tggagatctg gatcttataa agctggaaac tttacgtgtg cntgatgaac 300
cgattttgat taggtgattg gttagattcg gaaatttgaa gacttggtta tttggggttg 360
ggattgggat tgatctgaaa atttgtagtt tttgggaana tatgttg 407

<210> 10874
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H11

<400> 10874

gtttattgct tgaagacggc ttcntcttct cacanaacct atctctgcta atcaaaatgt 60
ctctgggtgc aaatgaggag tttcaacaca ttcttcgtgt gttgantact aatgttgatg 120
gtaagcagaa gattatgttt gcccttacct ctatcanagg tattggtang cgattggcta 180
acattgtctg caagaaggct gatgtcnaca tgaacaaaag ggctgggtgag ttatctgctg 240
ctgagattga taacctcatg acaatcgttg caaaccacg tcaagttcaa gatcccagac 300
tggttcttga acaggcagaa ngattacaaa ggatggcaag nattctcaag ttgtcnccaa 360
atgctccttg acatgaaant gagaaatgat nctngaacgt ctcaagaaga ttaagn 416

<210> 10875
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-023-Q1-E1-H2

<400> 10875

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 attgaaactg aatcgattgt gattgtgatt gtgattgtga ttgtgattgt gaggggaatta 120
 tggctcaagc cgtagaagag tggtaacaagc agatgccgat tataacccgg tcgatatctca 180
 cggcggctgt agtcaccacc gtcgggtggt cgctcgagat tataatctct tanaatctct 240
 acctaaatcc tacccttgtg gtgaancaat accagttctg gcgtcttgtc acaaatttcc 300
 ttantttccg aaagatggat ttggactttt tgttccatat gttttttcta gctcgatact 360
 gcaaactgct cnaagaaaac tccttcangg gaaagaccgc ggatttcctt tanaagctcc 420
 taatccgg 428

<210> 10876
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-024-Q1-E1-A1
 <400> 10876

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 tagggtttcg gttagcgatt ggcattcaac atcatcgctt cttccgtatt ccatgggcga 120
 agagacactc tgtacctaga atcttgtggt ctgagcagcg ggattactgt tcatcaggtc 180
 tgacaaagta tgttcctaag aagtctcgga agattactga agatttgaca tctcagcaat 240
 ttgatgttac tagagtggat catagtgtgt tggggatttc aagttaaggg taacaagcaa 300
 agaggctaga gatggctcat ttttggatct gcaagaggaa aaatggatac tggaaagtta 360
 cacgaatgtg tcctgtgat gacctgaan naaggtttta atgagttttg gacaaagggt 420
 aatanaatgc c 431

<210> 10877
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-023-Q1-E1-F4
 <400> 10877

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gatggatgaa gagaccaaag caataaccat cattgattat gaatattcat gctataatcc 120
tgtggcttat gacattgcc aatcacttctg tgagatggct gccgattacc aactgaaac 180
acctcacatc atggattata gtaaataccc tgggtgtggag gagcgacaaa gatttctgaa 240
aacatatatg agttattcag atgaaaagcc cagcgatact atggtcaaaa aactcctaga 300
agacgttgag aaatatacac ttgctagtca tctaatttgg ggtttatggg gaattatatt 360
ggaacatgtg aatgaaatcg actttgacta catggagtat gcaagacaaa ngttcgagca 420
ngtattgggtt aacnaagccg aagggtctct tgcagccttc cgaaaana 468

<210> 10878
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C11

<400> 10878

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tcttgaacc acatcttcca attacagtaa cactactttc accgatcgtt ctttcccgac 120
aacccttgcc cgtacatcca ccgacacaac cacctccatc gctcgtcgca tctccggtat 180
cttcatcaac tgcttctc ctcccgattc cgtttccncc aantacatcg acaattcaaa 240
gtcctcttcc gacaataata tccgtagtag acgtagctca acaggaagta gtantgtaca 300
agaggagtta tgggaatgca aancganaca aagcatacaa gattcagctt cgatganaat 360
cctacga 367

<210> 10879
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C2

<400> 10879

ttacgaaagt tcttgaaatt tgaagagatc tcacagatga gaagtgtat aggaagaaga 60

ttctcaaacc ctaatggctt caccattgca tccttagtca aacaaactcc atttctcacc 120
 caatccacat ctcatctctc ctcttctctc gactcctccg gccgtgggtcg tggacgcggg 180
 tccggtgaag atggaggatt tcccgccgct ggaagaggac aattcgggtgt aaatcgtgaa 240
 ccggtgggtc ctggacgtga accgtcatct gccggagggt atgggtcatgg tcgtgggtcg 300
 ccgatccaat ctgattcgat ttctcctgcg ttacgtcat ttgtcaaatac agattctcct 360
 agtattggnc gtggaagaag atccgttgga tnagacancg tttcaacttt cgctgctg 418

<210> 10880
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-C3
 <400> 10880

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 gaatggctct tccagggtat ttccaaccag aacatgggtac cggaaatcct gagatgacat 120
 ggctgccaat tttggctggc cctggagcat taggggggtc atattgtcca ccttatactg 180
 tccttgatgg ttcttaccaa gcagacaaac cagggttacc ttctctgccc ggatcgtcca 240
 gccaaagagaa cagttccaat aatcctaata atgaagagcc catggagaga cctgagggtta 300
 cgaacaatgg gaattctcaa cgggtcaaata gcaaccccaa acaagcagcc tcgtagatac 360
 tcggaagatg agctttaaca agtgagtaaa agaagatgga aaaggaagaa agtcatacta 420
 attttgacta agtggattg aaaag 445

<210> 10881
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-C4
 <400> 10881

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aggaggaata aggctagaca cagcagtgat gggagcacac cacaatgctt ttcttgagat 180
catctttcaa aaccgcgaga agatcgtcca aagttaccac ctcgatggat acaacttttg 240
ggttggtggg atcaataaag gaatatggtc acgtgcgagc agacgagagt ataacctcaa 300
ggatgctata tctcgtcca ctactcaagt atatccaaa tcttgacag ctgtatatgt 360
ggcattggga caatgtgggg atgtggaatc taaaggacc agttctgggg cgagacatac 420
ttaa 424

<210> 10882
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C6
<400> 10882

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cttctcgcg tggacctctt tcgaaaata tcaatcccag aatttcgctt cattttggat 120
tataaactcc cagatctgct actctctatc tccgattttg tgatttttca aaccnana 180
ttctccggaa gagtttattt tttctctgt aactaaaccg agattttttt ttcaaaattc 240
cganattacc ctaggttggtg tantaccgta gaaaacccta gttccttttt ggtattcttg 300
gtgtacagat cccttcctta gtcagagttt ttggntatta gtgttttagag gtttgtgatg 360
aacaatcnag gaaagtatcc tcctggnaat gngctgggc cgtggagcct taaacc 416

<210> 10883
<211> 374
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-C7
<400> 10883

agaanatana acaatcccaa gattctctc ttatttgatc aaccatgtcg aatgtcttgc 60
tatcccaaaa cggctacgta ttgcatcgc ctaaactct tggcagattc atcaattcaa 120
agtccggcgg acggaaactt ttcttctccg tcgttagagc ttcttccgat gatgctgatt 180

gtaatgccga agaattgtgct cccgagaagg aggtaggaaac agtgagtatg gaatgggttag 240
 ctgganagaa gacgaaagtg gtgggaacat ttcctcctcg gaagccgcgt ggttggactg 300
 gctatttgag aanaganact gctggtcaga ctangtgttt actccattga gccctggcag 360
 taatatgttg cagn 374

<210> 10884
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-022-Q1-E1-C8

<400> 10884

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 ttgactcttt cacttctcag agcacgcttt gtttgaaatc aagtgaacct ccgagattcg 180
 aatatgttag aggtgaatca aaggaagttg cagaggacca ttcttctaata gtacaaggac 240
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 actttgacat tccaggacat gttttggttg agaaacgagt tcaaggcgat attttgaaaag 360
 agaattgtatg tcaaagagat agttttgagg ataattcatc agcttcctct tcgtcctg 418

<210> 10885
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-D1

<400> 10885

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 atggacgtct acggaacgga ccgaaggatga cggcaacggt gaattccatat acgtacacgg 180
 aggcggcgca gcccgaaagag ccgaagagtt tgacggattt tttggtggaa gctagagatt 240
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gcgcacgcgc tccagaatct cctcttcttc tctacttacc tgggatcgat ggtactggat 360
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<210> 10886
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-D3
 <400> 10886

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 catcaactcg ttttctcca agattcagtc tcatgctctc cgaggagtgt gtataggcga 180
 gtcagataag aaaaatcccc tgccgcgagg ggccggagaa ggagtcaagg aagatgcgag 240
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<210> 10887
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-D4
 <400> 10887

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 ctgggagggc gtttcagtct ggaaatctat gcttctgtag agatgttact cggttctgca 180
 aaaccgacta cccattagta cactatgcac ggatgttcaa gttgacgagc tgtttcgagg 240
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 cagccatcac agacaagagt gagcaagatt gtctattggg ttctctgctt cagacaatga 360
 agcagcacta ttcgagtctc aaggttgtct ctgaaactga actctgtgaa aacaacatgt 420

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469

<210> 10888

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-D9

<400> 10888

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gtaactcaac atcttgtatg cattcagata ttaagtcttt cttgttcaaa gaggaaaact 180
gaaacaacag tatttgtttg atgaaatcga tgggtgaagaa gttgaagcag agtctgagat 240
ctggatcggt agagaaaagg aaggaaaagg aaaaagacat tcaggaagaa aagtggttct 300
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ctatacgtaa cttttctctc gaccagatnn tgaaaagcta caagtaactt cngttccagt 420
ttgtttgtaa ccgcanaagg gttttaagta ngggacaa 458

<210> 10889

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-E11

<400> 10889

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ctgaggaaaa caaagttgat ggtcgcaaac ctgtaagtga aatctataga gagagacggt 180
gaagaagaaa atgggtcaag atggttcgcc ggcgcataaa agaccatccg gaagcggcgg 240
aggacttccg acgacgacgt taaccaacgg tggaggaaga ggtggtcgtg gtggtttggt 300
acctcgaggt anacaagatg cagaagacgt ttaacaacat caaagatnac aattctccgt 360
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<210> 10890
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-E4

<400> 10890

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aacttctga agggttacca gaagatattt actacccatc aagtgatcaa agtgatgggc 180
gagaccttgt tcaagtatct cttaaagatc tgaaatgcct ttcacctggg gaatatctta 240
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agactgctgc taattgtcat ttcttcaata cgtttttcta caagaagctc acagaagctg 360
tttcatacaa gggtaatgac agggatgcat attttgtgaa gttcangcgg tgggtgggaag 420
ggttttgatc natctgtaaa tcatatatat ttataccaat acatg 465
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<210> 10891
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-E5

<400> 10891

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attagcttcc aagctggcca ggccaagggc caaactcagg agaaggctag caccatgatg 120
gacaaggcta gcaatgctgc ccaatctgcc aaggagtctc tcaaagagac cggccagcag 180
attaaggaga aggcacaagg agctaccgaa tcagtgaaga acgccaccgg catgaacaaa 240
tgaatacaat aatcatatga ttcattatgt tatttttttt acgaataaaa acaataattc 300
attttttgaa acctaaagat tangttcaac ggtttgatta nnnnnnnnnn nnnnnnnnnn 360
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<210> 10892

<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B9

<400> 10892

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tatccgtgtc ctctgccgga taatagacgg aacccttctc actcagattg agcgatactt 120
gaaacaagcc attgtggata agaatcccg tgtttcaagt gcagctttag tcagtgggct 180
tcacttgctc aagacaaacc cagaaattgt taaaagatgg agcaatgaag ttcaagaagg 240
tattcaatcc agatcagccc ttgttcagtt ccatgcccta gctttgctcc atcagatacg 300
ccaaaatgat cgcttggtcg ttagcaaatt ggttggtagc ttgaccaggg gatctgtccg 360
ctctcccttg gctcagtgtc ttttgatacg ttacaccagc caggttatcc gtgacatggc 420
caaccacggt caatctggag aacgtccggt ctaagaantt ttggagaatt gcccg 475

<210> 10893
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-E8

<400> 10893

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agcatcgata tccaaagtaa cgagcatagt gcttatgtca catttaaaga aactcaagga 120
gcagagactg ctgtgctctt atctggagcg agtattgccg atcaatcagt catcattgag 180
ttggctccca actacagtcc accagcagcc cctcatgctg aaacacagag cagcggtgca 240
gaatctgttg tccagaaggc agaagatgtt gtgagcagca tgtagcaaa gggtttcatt 300
cttgggaaag atgctgtcgg caaagcaaaa gcttttgatg agaaacatgg tttcacctca 360
accgccancg caggagttgc ttcactaaga ccaaaaaatc ggtcttaanc agaaacttac 420
a 421

<210> 10894

<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A11

<400> 10894

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ccacncgtcc ggagaaacga acagttttgg gtgattggag gtgtttcagc tcatctcttt 60
gctctcttcc aaggctctct aaagggtttta gccggtgttg agacaaactt cacagttaca 120
tctaaagcag cagatgatgg tgaattctct gagctttaca tcttcaaag gacatcactc 180
ttgatccctc caaccacact actcatcata aacgtaatcg gagtcattgt gggaatatct 240
gatgcatca gtaacggata tgactcgtgg ggtcctcttt tcggaagatt gttcttttgc 300
ttttgggtca tcttccatct atatcctttc cttaaaggtc tgcttgggaa acaaagacaa 360
gaatgcctaa aatcattcct tgtcctgggc gattcttctc gctccnanc cntaacnct 420
cctttggggc acgaaatcaa tccgttt 447
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<210> 10895
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A12

<400> 10895

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gaatccttct caaaactggg agattccata tattttcaag aagatggtgc aactccagct 120
ctttatgtca cccaatatat atcaagctca cttgattgga aatctgctgg tctttcaata 180
tctcagaaag ttaatcctgt tgtgtcgtgg gatccgtaca tgcgtgtgac attcactctt 240
tcttcttcca aagtgggagt ggcaaggag tcgactttga atctaagaat tctgttttgg 300
actaactcta taggtgccaa agtatctttg aatgggagac ccttaaactg accaacttca 360
ggtaatttcc tatcaatcaa acagaaatgg aaatctggtg atcaagtaac catggagcta 420
ccaatgagta tcagaaccga agctataaaa gatgatnggg cagagtacgc atctcctcaa 480
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<210> 10896

<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A3

<400> 10896

ttaactgtca gcggcccgta cgggtcaanaa tccgggtcga cccacgcgtc cgaaagaatt 60
acgctaagtt accaataaga aaggacacgc ttgagggttaa gaacatacca aatgaggcat 120
ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180
caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtgttgcac 300
ttgcaaagaa cacttttggg ttgaacctga aaccagacaa tgactcagtt tgggaagggt 360
cagggaaaca actatgatga tggtatcnag ggtgggtccn aagncatgat agtaagctta 420
accgtttggg aaaaacaatc ggttncctcg acgg 454

<210> 10897
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A5

<400> 10897

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acgctaagtt accaataaga aaggacacgc ttgagggttaa gaacatacca aatgaggcat 120
ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180
caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtgttgcac 300
ttgcaaagaa cacttttggg ttgaacctga aaccagacaa tgactcagtt tgggaagggt 360
cagggaaaca actatgatga tggtatcnag ggtgggtccn aagncatgat agtaagctta 420
accgtttggg aaaaacaatc ggttncctcg acgg 454

<210> 10898

<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-022-Q1-E1-A6

<400> 10898

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cagaaagaag cgaagattct gtttctaggt ctcgacaacg ccggcaaaac caccttgctt 120
cacatgttaa aggacgagag actggtccag catcagccga cacagcatcc gacatcggaa 180
gagcttagta tcggcaaaat caagttcaaa gccttcgatt tgggaggtca tcagattgct 240
cgtagagtct ggaaggacta ttacgctaag gttgatgcag tggatacct agttgatgca 300
tatgacaaag agaggtttgc agaatcaaag aaagagcttg acgctcttct ctctgatgaa 360
tccttagcaa aatgtccctt tctcatcct tgggaacaaa atcgacattc cgtacgcctg 420

<210> 10899
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-A7

<400> 10899

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atgaggcatc tcgagccact acaacaacac atggaaacta ctacaaagta tctgacctcc 120
caatgaccac aggaccagcc agcggctttg catgggctgt gaaaagacgg aaagatcctg 180
ataatatctc tactcttacc tactatcaac ccagctcgaa gagtcaattg agtgaacaa 240
gtgttgcatc tgcaaagaac acttttggtt tgaacctgaa accagacaat gactcagttt 300
gggaggttca gggaaacaac tatgatgatg ttatcganga gggttcctagt catgagagta 360
agcttaaccg tattggagaa cgacacggat nacttgatgg ttctgggttg 410

<210> 10900
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-A9

<400> 10900

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tcatcggttt cgaaagatca acgaaacttg gactcacctc tatccaagaa ccaccagcta 120
tgaggcaatt gttttgctcc aacaacaatt tcacgggaaa cattccatct ttcatatgtg 180
agttgcctta tctcagcact ctcgatTTTT ctaacaacaa attcaatggg tcaattccta 240
cttgtatggg aaatattcag tctccatata ttcaagctct aaatcttcga cataatccgt 300
ctttagtggg acttcttcca gagatatatt tgagagtcta aattctcttg acgtcggcat 360
aaccaactaa tgggaaagct tcaaagatcg ttaagtcana cccctcccct tggcttctga 420
a 421

<210> 10901

<211> 341

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-B1

<400> 10901

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acactgaaga aatctccttg gaagggtcca gacgttttca acttcccatt cggagagatc 120
gtccctatgt ttgctggaga aacccttcaa tggcaaccgt tgaaataatg tgggtgattg 180
aagttgtcan attttttctc ccaaataagt gaactcgtgt accttttggg ttgaattttc 240
ttacggctga nttatgcctt gcattttttg aggaataaaa gcaagatact gaccaataat 300
gtttattttg tgtttgaatc annatnnaan caaaaagggc g 341

<210> 10902

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-B10

<400> 10902

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ctttagaact gtagagagag aaaagcctcc atttttctca aggcaatctc tctctctctg 120
cctcatctca taaacccatt acaccaaaac ctcatcgtag agagagaaac acaccaacca 180
ttgttacact ctaagagaag agaagagaga aggaaaaatg gacgggtgtat caccaaagtt 240
tgtgttgccg gagacattcg acggcgtgag gatggagatc acaggccaac taggcatgat 300
ctgggagctt gtaaaagcac cagtgattgt ccctcttctt caattagctg tttacatctg 360
tttgcttatg tctgtcatgc ttttatgtga ganggtttac atgggaatcg tcatcgttct 420
cgtcaaactc ctccgggaaa aaancagacn aacgttaciaa gttc 464

<210> 10903
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B11
<400> 10903

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aagtgcgaac acctgtggaa gaagaaccga ttcaagagat tgagaccata gttgatttag 120
gaaatccaga caaagtatct gtgagagatc ttcttgtggc ttctggtttg tatgaaggca 180
catcagatat atcattgtct agatgggac ctaggcaaaa gcttataaaa aagtctgttc 240
ttgaagaaac aaaagagaat ctcaagaaaa gaagcaatca gaatcaagaa gacgacgaca 300
caggagagac tactataagt gaagaaaatc acaacatact gtttgatctt ctgaatgaag 360
tacttacggg ggtgcttgga ccattgacaa agtcagggtt caagaacaaa cttttgagtt 420
catctgtgtc tgaatcaacg actatacgag gtaaatatct gtttana 467

<210> 10904
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B2
<400> 10904

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ctcctcggcc gcgtcgccga gtatgcgacc tcttcaccgg caagctctgc tgcgccatcc 180
tctgctcctg ctaaggatga ggggaaaaag acctatgatt acggtggcaa aggtgcgatc 240
gggcgtgttt gtcaggatcat cggtgccatt gtcgatgtga gattcgagga tcaggaagga 300
ttgcctccga tcatgacatc tcttgagggt caggatcatc ccacaaggct ggtgcttgaa 360
gtgtctcatc atttgggtca aaatgtcgtt aggaccantg ctatgggatg gtactgaagg 420
tct 423

<210> 10905
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B4
<400> 10905

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ggttgagacg agacgtagcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnncaaa ggcctaacaa gcgatctaag gttaagatcg atgccgctgc 180
ttcttctctc gaacctgcga cggcggaacc ggctggttct tcatcagcga gcgaagttcc 240
gatcgagaat caaggacctg cttcggatcc tggatcgga tctggagagc cggaacttgg 300
atcttctgat ccacaggcta tggatgcgga gaagcctgtt gttacaactg atgtccctgt 360
gatggagaac tctcctgaaa ccgacgctaa nctgaagtc gaagtcntgg ccacacc 417

<210> 10906
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-022-Q1-E1-B6
<400> 10906

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ttcctgcttt cacttactat gcctcctcct ccttctagtt ctagagcagg tctcaacggc 120
 gatccgattg ctgctcagaa ccagcagccg tattaccgga gctactcatc gtcgtcgtcg 180
 gcgtcgtga agggatgctg ctgctgcttg ttcttgctgt tcgcgttcct ggcgctgctg 240
 gtactggcgg tgggtgctcat cgtaatactg gcggtgaagc cgaagaagcc gcagttcgat 300
 ctgcagcaag tggcagtggg gtacatgggg atctccaacc caagcgctgt tctggatcaa 360
 ccaccgctc ctctccctca acatccggat gctcttcanc gccgtcaacc aaaca 415

<210> 10907
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-B7

<400> 10907
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 caagaggcca gagagtgata cagattccac caccacgtcc actatgcgcg tctcaatacg 120
 ccctagctaa ctacgcctgc tcacgtctcc caatgcacac tgtcccacca cctgccccca 180
 ttaccccacc tctgtctccc atcgctcccc cgctcctga acannnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgatgacc 360
 gtgaccgtga ccgtgaccgt gaccgcgacc gtgaccgtga ccgcgatcat g 411

<210> 10908
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-022-Q1-E1-A1

<400> 10908
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 acgctaagtt accaataaga aaggacacgc ttgagggtta gaacatacca aatgaggcat 120
 ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180

caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240
 ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtggttgcac 300
 ttgcaaagaa cacttttggc ttgaacctga aaccagacaa tgactcagtt tgggaagggt 360
 cagggaaca actatgatga tggtatcnag ggtggtccn aagncatgat agtaagctta 420
 accgtttggg aaaaacaatc ggttnoctcg acgg 454

<210> 10909
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-E9

<400> 10909

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 acaatgggtca acagcttggt tatgagaaat tgccaaatga tatctcagag aggcattgtcc 120
 tattgttggc tcctattctc gggacaggaa actcagcggc tgaagctatc aacctcctta 180
 taagcaaggg cgtacctgag ggaacatca tatttctaaa ccttatctca gcacctcaag 240
 gtgttcatgt ggtctgcaaa aaattcccaa gaataaagat agtgacatct gaaatcgata 300
 atgggttaaa cgaagagttt cgtgttattc ctggtatggg ggaatttggg gacagatatt 360
 ttggcacana 370

<210> 10910
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-F10

<400> 10910

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 gatcggtatg ggttcctaca caagctgtgg gatgaaacgg tggccggacc gacgccggac 120
 aatggtctcg ggaaattgag aaagcacgat tcattatcca ccgtccgac ttctcctcct 180
 tctctctcaa gcgaccaagt caccagaagc atcatggtta ccaaggggaa taacaatgtt 240

cgtggtctcc gtaaattgaa aatggatccg gattctccaa cctgttcaag cagcaaccct 300
 gggacacctt taacccttgg gacaccatgc tatgctttgg gaccattcac tgccggcaaa 360
 atcccttcct ctggcgaaga cgatgcagca agtctaacta cttatgaatg gngtgt 416

<210> 10911
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-F11

<400> 10911

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 ggaacaggca cgtccatcag ctctggtttt accaagtact aaagctaatac aaaaccttgt 120
 ttctgccggt actcttggag aaactcttga tgcaactggt aaatggggaa aaaatctgga 180
 taacgatgat catgtggagg aaatgaaaca agaggttgag aaagtgagat ctgcaaaact 240
 tgtcaggaag ttggaaagga aacttgcttt cgctgagaaa aagctgctga aagctgaacg 300
 ggcttttagct aaggtggagg aatctctgaa gccagcagag cagagaacag accttgaggg 360
 cataacagaa gaagagagat ttatgttcca aaagctccga ttgaaaatgn aaactttct 419

<210> 10912
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-F12

<400> 10912

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 agcttctctt cgaaaaaatc cttaacctaa ccatgagtca tcttctctt ctccatttta 120
 ctctcgttgc aaaccctagc cgccgtcaaa gcaagcgaga catgtacca ctcgatactc 180
 atggtccaga caaagatccg tcttagtttg aaagatgccg gngccctcat gttcctctga 240
 ttcttctca tcttactcct attccttcag atctataatc aatcaatgta ttttcttatt 300
 ttattcaatc gatttatcaa nctcttttgt tggtaaattg atgtctgtgt tacagatcaa 360

atgttgtgaa ctaattagcc taatgattcg attgattttg gtgaaccnga ggattgtac 419

<210> 10913
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F4

<400> 10913

nggccgaccc acgcgtccan ganagcttct caaatcatgg ttcagcaa atgggagacg 60
ttgaaggaaa caatcacagc ttacactgga ctttctccag ctgcgttttt caccgtactt 120
gctctcgctt tcgccgttta ccaagtcgtc tccggtttct tcgtttctcc tgaagtccac 180
cgacctcgctt ctttgagggt tcagcctcaa tcggagcctc ttccaccgcc ggttcagctc 240
ggagaaatca ctgaggagga gcttaagctt tatgatggct ccgattctaa aaagcccctt 300
cttatggcga tcaagggcca gatctatgat gtttctcaga gcaggatgtt ttatggacca 360
ggtgggccat atgctctgtt tgcagggaaa gatgcaagcc gagctctggg caaagatgtc 420
at ttgaggac aa 432

<210> 10914
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F5

<400> 10914

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gttggtcgag tttttatcag ggaagatgca aggaggtggt ggtagagatc ctttnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
ntcctttggt ggatttggtg gccctaattg tcctccgagt ctcatgtcta attttttcgg 240
aggaagagat ccatttgacg accctttctt cactcancct tttggtggtg gcatgtttca 300
atccaacttc tttggtccca gcatgaatcc ttttgcagaa atgcatcgct tgccacangg 360
ttttattgag aataatcagc ctccaagacc gagtagatna cgcnngaccgg ttattgaaga 420

nattg

425

<210> 10915
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-F7

<400> 10915

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gggttgctgc tggatgatcat ctgggggatc ttagaatcaa aggacggaaa gtagtaagac 120
caatgctgaa gccagcaaaa gaaaatgatg tatgtgtcat cggggttggg atgcctgtgg 180
atgtgtggtg gtgtgatgga tgggtgggaag ggatcgtggg gcaggaagtt tctgaagaga 240
aatttgaagt ttacttgcca ggcgaaaaga aaatgtctgc tttccatcgt aatgacctca 300
gacaatctcc gggaatggtt ggatgatgag tggctaaaac ataagatnaa agatctgata 360
attgttaatt ccgtcctaac cttgaanaaa gaaaaaagaa aatggaggta aacaataata 420
agaatcctcc gaagtttgng tttggaaagg gaagaattcn 460

<210> 10916
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-021-Q1-E1-F8

<400> 10916

aaaactaaaa attgaagaaa aaacatgagt ctcaccaccg acgaaatcga agtgagagat 60
ttcgtggtga accaaaagaa tggagtgaag ggactcgtcg actttctaac cctaaccaca 120
cttccttctc catacattca acctcctcaa gaacgcttca cttccgacaa gatcctctc 180
ggatcacctg tcccggatcat tgacgtgtcc aattggaatg aaccgcacgt ggctagagag 240
atctgccatg cagcgtcaaa gctcggcttg tttcagatag tgaaccacgg gatagctccg 300
gctgagttca aggggtgtgat tgctcggcg cgtgggtttt tcgagttgcc ggcggaggag 360
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<210> 10917
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G12

<400> 10917

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 tggttgttct gataatgact acttcgaaga cgtctaccaa tattatgcga atggcgaggc 180
 atggcatctc ccagaaggag cttatgagac aatgtcacta ctgaaagatg ctggagttaa 240
 gatggctgtt gtgtctaatt tcgataccag gctaagaaag ctattgaagg atcttaatgt 300
 catagatatg ttcgatgctg tgattgtatc cgcagaagtc ggatacgaga agcctgatga 360
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<210> 10918
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-G3

<400> 10918

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 ngncanngaa gctgctcgtc caacctttta aggagatgag atggtgaagg gtgtcttttt 120
 tgatatcaag aacaaattcc aggctgctgt tgatattctc cgtaaggaaa agatcaccct 180
 tgatccagag gaccagctg ccgtaaaaca gtatgcaaat gtaatgaaga ccatcaggca 240
 aaaggcagac atgttctcag aatctcagcg cattaaacat gacattgata ctgagactca 300
 agacattcca gatgctcgtg catacttggt gaagttgcag gaaattcgca ccanganggg 360
 gcttactgat gagcttggtg ctgangccat gatgttcgag gctttggaga aagtcnagaa 420
 ggacataaag aagcctctcc tgagaagtga cangaaagga atggatcttt 470

<210> 10919
 <211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-G4

<400> 10919

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atggatcaag aagttgtcaa tctctcagga ggagaattgc aaagggttgc attaactctg 180
tgccctcgga agcctgcgga tatatacctg atcgatgagc caagtgcata tctcgattct 240
gagcaacgta ttgttgcttc taaagtcata aagcgattta ttctccacgc anagaaaact 300
gcatttgtag tcgagcatga ctttataatg gcgacctatt tggcagaccg ggtcattgtg 360
tatgaaggac aaccatccat tgattgtact gcaaattgtc ctcaatcact gctcagtgga 420
atgaatctct tcttanctca 440
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<210> 10920
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-G9

<400> 10920

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attaacacat ctcggtctca attccgagct ctgtattcca atcctttggt gcatttactt 180
tctgggtttt tggtttatttt gattttcttc catttgggta cccacccaaa gagtaaagtt 240
tcaagctttc gtggtacttg ctatgctttc cctcacaaaa ccctaatttc atatccttat 300
ccaattccat gttttgctct gctcaactct ctgtttctac ttctgaatcg tcgttttctt 360
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ca 422
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<210> 10921
<211> 411

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-021-Q1-E1-H1

 <400> 10921

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 cctccccctc tatcctcctg gaacccccga accgactgtt gtaccggctg gaccggcgctc 180
 gaatgcacta accgtcgcgt taccgggtctc agcgttacct ccggcgaagt ctccggtcag 240
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 acacctcacc ggaaacatcc caccgacccat caccaaactc aagaacctca acactctcta 360
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<210> 10922
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-H7

 <400> 10922

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 attttgattt tgagtttgct cataatgagt ccggatcatg nacaaagttc aagtagaagc 180
 aaagatntgc tgcccttcca accaagctag aaatggctat aatgtatgcc gtataangnt 240
 ttccaaggga angtgtatgc aagtgagtgg atgccaaaac tctgatacat gccctccang 300
 ttgggtaaac gccattctcg aaaactcaac tgatgctaac aatgaacact gcaagttang 360
 gtgtgaaact tcngtgtgtg gtgccatgaa cactctccaa gaactccgat gcaagtgaag 420
 attgtgaatg gagcctccgg aacaatgtgc caaagggatg ttcn 464

<210> 10923
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-H9

<400> 10923

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cggatatggg tttggtgctt cgtttggtgc cttatttgct cagttgggtg gtggaatata 180
tactaaggga gctgatgttg gggcagatct cgttgggaaa gttgagcagg gaattcccga 240
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tgctgctaga ggtgctgatt tatttgaaag tatagctgca gaaatcatca gtgcaatgat 360
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t 421

<210> 10924
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-021-Q1-E1-E8

<400> 10924

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cggagaaaaca accacacaag ctcgaaagaa agtggagttt ctggttcgat aaccaatcaa 180
agaaaggcgc cgcttgggga gcttctcttc gtaaagccta tactttcgac accgtcgaag 240
atTTTTTgggg attgcacgag actatatttc agactagcaa attgacagcg aatgctgaaa 300
ttcacttggt caaagctggt gttgagccaa agtgggaaga tccagagtgt gctaattggag 360
gaaagtggac ttgggttggt actgctaata ggaaggaagc ttagacaaa ggc 413

<210> 10925
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D4

<400> 10925

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gcngganact tacncttat agaccctgca gctggaaatg tatgttttgc cagtgggtaca 120
gccggatggt ctttcacatt acaatctttt gctaaaatgt atgccaagct tcatgggtgtg 180
gccatggacg tggataagtt tgcattctga ctttggggag atgtatatta tcaactctgat 240
actagggtat tcaagagaag tcctccagta ggtgggtggag aaagagcatt tgttcagttt 300
attctggagc ccctatacaa gatatacagc caagtgatag gtgaacataa gaagagtgtg 360
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<210> 10926

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-020-Q1-E1-D5

<400> 10926

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ttaggtggac aaagcatccg tctttcgtgg ggacgtagtc caaacaagca gtctgatcaa 180
gcgcaatgga acggtggtgg atactatgga taccctccac agccacaggg cggctatggg 240
tatgcagctc aaccaccaac tcaagaccct aatgcgtact atgggtggta cactggctat 300
ggcaactatc agcagcaacg tcagtgaac atcaacatca gctatttcta ccaatgtctt 360
ggaacaaaag atgaacgatt gtgtcctaata aaggacttcn aaattaaaaa tgcncctt 420
tt 422

<210> 10927

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-020-Q1-E1-D6

<400> 10927

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 tgattgtaac ttcgtcgcgt gacaaatcaa tcctcctctg gaaactcaca aaggaagaca 180
 agtcatacgg tgttgctcag cggaggatga ctggtcactc tcacttcggt caagacgttg 240
 ttctctctct cgatggacaa ttcgtctctt cggatcttg ggacggtgag ctctgtctct 300
 gggatntcgc taccggagaa tctactcgtc gtttcgttgg tcacacgaaa gatgttctct 360
 ctgttgcttt ctctaccgat aaccgtcana tngtctctgc ttctcgtgat cgtacg 416

<210> 10928
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-D7
 <400> 10928

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 cttttgttct ttaaacagag attgtaaadc cagagccgcc ggaaaataca accgccggtt 180
 tactctcagg attagttgat attattcgat tttaaaaatc agtaggaaga agatgaagta 240
 cgtgcttgta acaggaggtg ttgtgagtgg attagggaaa ggagtaacag caagtagtat 300
 tgggtgttct cttaaagctt gtggtcttcg agttacttct atcaaaatcg attcttatct 360
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 tgggtggt 427

<210> 10929
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E1
 <400> 10929

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gcaacgatga tttccccgaa ccaagcagct acatgcaact cctcaagagt atgggttattg 180
atatggagga ccacgtcctt aaagcttann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnat atatttatta aattgttttc atttatatat aatagactag 300
ataagaacct gtataatgtg cgggataaaa tgattgaaat aaattattat gtataaaatt 360
atttatgag atatcatata tgtttgtata caagaaaata tgtaactaaa aaaaaaaaaa 420
aaggggcg 427

<210> 10930
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 10930

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ttcttgata aaatggcgtc aactttcact gccacatctt ctantgggtc aatgggttgc 180
ccgaatggtc acaaactctga taagaaactt atcagcaagt tgtcttcaag ctcatattgga 240
aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt gtgcgcagca 300
aaggaattac atttcaacan agatgggact accattagga gacttcangc tgggtgtcaac 360
aagctcgag atcttggttg tgttacactt gggacccaaa aggacgaaat gttgttcntg 420
anaacaagtn tggatnanca cnaaatgttt aaagagggg 459

<210> 10931
<211> 469
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-E11
<400> 10931

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 nnnnnnnnnn nnnnnnnnnn nnagggcatg taaacccatt tgtacactta gccatcaagc 240
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 caaacggctc cgatggagat attttcgctg gagttaggtc agagtctggc cttgacataa 360
 ggtacgcgac ggtttccgat ggtttaccgg tcggattttg accggtcgtt gaaccatgac 420
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<210> 10932
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E12
 <400> 10932

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 cgctacggtc tcggcatccg ttccagggtc catcgaactc gtcgattcga aaaccatctt 180
 tgggaacgta gccgaactct tagagaaaga gaaactttcc atcaactacg ccaactgcag 240
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 ttgcaaagac tatgttgaag actacttgat cacttccaaa cagtaccaat acgactccaa 360
 aaccgtgtgc aaagaggctt atttctatgc caaagggact tgccctaaag aacgacaccg 420
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<210> 10933
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E4
 <400> 10933

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aaatggctga ttcaattgcn gcngaaacaa caaacnggng cttctncncc ccccgcggt 120
 tcngataana acccaacnag attcaaccga tccggatncc aaccatcnaa ggagatccga 180
 gctcaagaag gtttgaaca actgcgccgt tcgtgctgta actagtggag tcatgggang 240
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 tactatgacg gctangtagc agtttgtgtt cacggcaaaa caaatggggc aaaggantt 360
 gaattcctgt aagacatttg cagttatggg tttggttttc tctgctgcan aatgcattgt 420
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<210> 10934
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E5
 <400> 10934

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 attttcacgc agacgacttg gacagaggtg aagggtggtg agattggagg aacaatgtca 180
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 acagcggaag agccagacga aacaaactcg atgtcgattc aacgcttgat catcttaagg 300
 tttttactgc cacatggaat gtcgccggca aatctccgcc gagttattta aatctcgacg 360
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 ccct 424

<210> 10935
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-E6
 <400> 10935

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attggaaata agacagaagc tgttanctct gtttctccat ggtgtcaaga tcttgtgcta 180
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cacgcgtcat gactgttccg ggaatcatca ccgacgtaga cggtgataca acctccgaag 300
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tccagttaca 430

<210> 10936
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-F10

<400> 10936

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cgcgaagact gtgctctctt gtggcgganc taggttacga aggcgcggga aaattggatc 180
ccgatagctt cgaatggccg tttcaagtac gacgatgctc gacctatcct ctactggatc 240
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tcagcatttt cttccangag aaataaccag gaagccgttt ttggagcata atanagcatt 420
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<210> 10937
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-F11

<400> 10937

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aatcttcgca acctgatgat tctctggata nagtgtcagg cgaggatcat gaaccgtctg 180
ctactgaaca gagtttcaca gatagtagaa tacaagaagg tcctgaaggt tccctccaat 240
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gggaaactcc aaggaagcgg caacgcgaac agacttctag aatcacagaa agtgaacaag 420
cagctggtga tagtgatgaa ggtgtagaca gtattacaac tgggtggacgt ntggaaaaa 479

<210> 10938
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 10938

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cgatgaattc gattcccaaa tcatgaatat aaatgagctg aatcanggag atgcagtcaa 180
tctttgggac aagaaccttc tcccgatggt cctgggacaa tggatttctc tgagttgaaa 240
tcatccaaaa tcgaaccttt gagatcgaag aatattgatt ttagacaaca aattgagtat 300
cataaatcta cacactcgag caagaatgat tcgcaagcta tagaacaata tgcaaaagtg 360
gctagtgata tgtctaagct aacacatggt ggtatcgcan gggaagctca aatggtggat 420
gtttcttcta aggacaattc caagagaact gcattggcct gttgtaaagt t 471

<210> 10939
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D3

<400> 10939

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<210> 10940
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-B4
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 ccgaaatcct tccttttncc tcctttttgg aagaattccc cttaattnat nccttttggg 180
 aaanaatttc cgtgttgaag aagaagaaag ccgttaatgg ggctgctttg gttgttgtgg 240
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<210> 10941
 <211> 144
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB24-020-Q1-E1-B6
 <400> 10941

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<210> 10942
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-B7
 <400> 10942

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 tttttcctaa tgccattgag atttttagctg gaggaagaa gtactttttt gcatcgtttc 180
 tttcccgcca tgaagctttc aagcttatcc atgatggatg gttggaatat ggtagtgctg 240
 tcaaatacaga aggcgagatt ctggtgaccg aaccgcaggt aagcgatgga gttgttaaaa 300
 gggcacgcag ttccatggat ttggccaatg aactagatat tccagtaagg gatgaaactc 360
 ttcatctttc cagcagttcc agtcttcctg tcattagtca gaatggcggt ccaccttcat 420
 ccgttcagcg gcacgctgaa ccaagatgta gatgttggtg cgggcaata 469

<210> 10943
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-C1
 <400> 10943

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 tatgtgcat cttccaccga agctggtagg ggagaagatc ctcacgagga ttccgataac 180
 atctctgaga gcggtgcat ccacttgcaa attatggaac gctttaacca aagatcgggt 240
 tctgggtaaa gcagcggcgc agtttttggg gtttatgacg atggattcaa aggtctgttc 300

agttagattc catctccgtc gcagcaagga ggaagaagaa gacacgatgg atctatctat 360
aaagcaggta gatttgctta atcaagtcga gatattctaga gtgtatcact gcgacggctt 420
gttgttatgc ntggctaaag a 441

<210> 10944
<211> 466
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C10
<400> 10944

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gcacacaatg cacgtagaat gctacaacga gatgatcaaa cgtgacaagt tttgttgtcc 120
aatttgctcg aggtcagtga ttgatatgtc taaaacatgg cagagactcg atgaagagat 180
cgaagccact gctatgcctt cagattaccg tgacaagaag gtttggatac tttgcaacga 240
ttgtaacgac acaacagaag tgcacttcca cataatcgga cagaaatgtg gacattgcag 300
atcatacaac acacgagcga ttgcgcctcc tgttcttctt caatgacaaa accaagatct 360
tcccatgtta ttgcctccag aaagcaaagc aaagaacntt ttggtgctaa aaaaactgan 420
gcataaattg atgatcataa caaagnaaga aaaaggaaaa gttttt 466

<210> 10945
<211> 482
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C11
<400> 10945

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acaacaatgg ctgttggttc gatgaatgtc gaagaaggca ctaaagcttt tcctgcgaag 180
ctgacaggtc aagtctttct ttgctgtgtc attgctgctg ttggtggtct catgtttggt 240
tacgacatcg gaatctcagg aggtgtaacg agtatggaca ctttcttggt agattttttc 300

ccacacgtgt acgagaagaa acacagagta cacgaaaaca actactgcaa attcgatgac 360
cagctcttgc agttgttcac ttctcactc tacttggtg gaatcttcgc tagctttaat 420
tcttctang tttcnaaggc ttttgggaaa aaaccacaat caagctcgcc tccanatttt 480
tt 482

<210> 10946
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C3
<400> 10946

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caattgtggt cgaaaattgg aagaatgagg aggaggagg gcgatcttca accgaagaga 120
acgagaatgt gccgatcttc aaccgaagag aacgagtatg tgcgatcttc caccgaagct 180
ggtaggggag aagattctca cgaggattcc gataacatct ctgagagcgg tgcgatccac 240
ttgcaaatta tggaacgctt taaccaaaga tcgggttctg ggtaaagcag cggcgcagtt 300
tttgggggtt atgacgatgg attcaaaggc ctgttcagtt agattccatc tccgtcgcag 360
caaggangaa gaagaagaca cgatggatct atctataaag caggtagatt tgcttaatca 420
agtcgaagat atctagagt tatcactgag acggcttggt gttatgcntg gctaag 476

<210> 10947
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-C4
<400> 10947

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tttgtanttgc gccctaaaa atctggaaag tctgcactcc tcgattcttt cttaggaagg 120
aaatttncac acagctatna ngcaacaatg ggtgaacgat atgcagcaaa tgcattgat 180
cagcctgggg gttctaanaa aaccctcata ttgcgggaaa taccagagga cagagttaaa 240

aagtttctga caaacaagga atcgttggca ncatgtgatg ttgctgtggt tgtctatgac 300
 agttcggacg tatactcatg gagaaaggcg agggaaatac tgatggaggt agcaaggatg 360
 ggagaanaga naggttacgg gaccccttgt cttctgggtg cggccaaaga tgatttggat 420
 tcatatccaa tgtcagtga cgagtctgat agggtttgca tggaantggg gat 473

<210> 10948
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-C5
 <400> 10948

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 ataatcacga ggtttccctc acttcctttc cattgctaaa ccaggatttg cctcctgcat 120
 ttggaaatgg acgcttctat gattaccaat tccaaatcca ttacttctcc accctcttta 180
 gccttaggga agtcaggang aggaggagtt atcaagaagt tcactaagta acttaatgat 240
 gccaaagcaa gttaacttcc ctagacaaaag aactcaaact ctaaaggta gccagaagaa 300
 actcaagaga gctactagtg gtggctcttg tgttacatgc agtggtggtg ataagattct 360
 cgtaacgaat cnaggtgaaa ttgcagttcg tgttatcaaa actggtcaag aaatggggaa 420
 tccttgtggt 430

<210> 10949
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-020-Q1-E1-C6
 <400> 10949

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 ataatcacga ggtttccctc acttcctttc cattgctaaa ccaggatttg cctcctgcat 120
 ttggaaatgg acgcttctat gattaccaat tccaaatcca ttacttctcc accctcttta 180
 gccttaggga agtcaggagg aggaggagtt atcagaagtt cactatgtaa cttaatgatg 240

ccaagcaaag ttaacttccc tagacaaaga actcaaactc taaagggttag ccagaagaaa 300
 ctcaagagag ctactagtgg tggctcttggg gttacatgca gtggtggtga taagattctc 360
 gtagcgaatc gaggtgaaat tgcagttcgt gttatcagaa ctgctcatga aatggggatt 420
 cctt 424

<210> 10950
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-C9
 <400> 10950

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 gacgcgtggg tcgccggatt gagttttcgt cttccatggn tattcctctc ggggaagctca 120
 ccatcctcat cgggtgcaggt cttgttgggt cagtacttgc taaagaaggg agtttaccag 180
 atgtctcgag ttttgtctcc ggtgctctta agatggtatt taggcagctg aagcaagaag 240
 aacctgccaa atcagccagc aagccccgca atgatacact aatggcccag gttaacagtc 300
 ttaggcataa attgagcttg ctttcttcaa acagacctat cactattgtt accacagcag 360
 gatcaggtgg taaaaagtat gggtacatca ttataattgg ggtgataggc tacggatatg 420
 tatggtggaa gggctggaaa cttccggatc ttangtttgc aacaaa 466

<210> 10951
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-D1
 <400> 10951

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 aaaatgtcag gaagaggaaa aggaggaaaa gggtaggca aaggaggagc aaagagacac 120
 agaaaggttc taagagacaa cattcaagga atcaciaaagc cagcgattcg tcgtcttgct 180
 cgtagaggag gtgtgaagag aatcantgga ttgatctatg aagaaacgag aggtgtgttg 240

aagatttttc tggagaatgt gattagagat gctgttactt aactgagca tgcgaggagg 300
aagacggtga ctgctatgga tgttgtttat gccttgaaga gacaaggaag aactctatat 360
ggatttggtg gttgatcaat ttgagatctg ggttttctgg tgaatgatga tgatttaagt 420
cttgcgatca agaaattcca gaaattgggt tgaanttt 458

<210> 10952
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D12
<400> 10952

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ctcagttctg ttgtcaaatt anggttttcg tttcagggga aagagagaga gagagagatg 120
tggtttctgt gtgtcttcta tcacangcta ttagacttca gaaagccana agtgggaagct 180
ttanctgaac tcctcggana agagattgca gagaatgagt ctctccaatg gcgtctacct 240
gaaaatcacc atagacgata ctccattcca tttcgttcaa ctttcatctg aagaaatcgc 300
tcgtaacatt gctaaangaa ccatattggt gaaaagaatg tatgagcttt ggggtgaang 360
aacttgttat gaagaactta aagactcgan tcaaagctaa cctgaatccc caaaagcttc 420
caatttccaa ctttcggaat caacctttta aaancccccg t 461

<210> 10953
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B3
<400> 10953

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tnggattcan atgatggacc gatcaacccc aaccttctca tatcangctt ggaggcgaga 120
tcctgagaat gggcctcccc agtaccgtan cagaactgtg tttgaggatg ccactcccga 180
gatggtcagg gacttctttt gggatgatga gttccgttcc aagtgggatg atatgctttt 240

gtattcttct actctcgagc gttgcaagga cacgggcact atggttgtgc aatgggtgcg 300
aaagtteccc ttcttttgta ggcacagga gtatattata ggccgtcgta tatgggatgc 360
tggecgagtc ttttactgca ttactaaggg agtacaatac cgtctgtac ctagacnaaa 420
caagccaagg cgaatcgact tgnctaatac aagctggtgt atccn 465

<210> 10954
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-D2
<400> 10954

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atggcagcaa atctagcgcg acggtgatc ggaaaccgat cgactcagat ccttgagacc 120
gtgaactcta gctcaggtgc ggctagttct gtcnctaagg cnttctgctc ctccaacact 180
ccgatnaccg caactctctt ccctggcgat gggatcggtc ccgagatcgc cgaatctgtc 240
aaaaaggtgt ttacaacagc tgggtgtacca attgagtggg aagaacacta tgttgggact 300
gagatagatn cgagaacaca gagtttcttg acatgggaaa gtctcgaatc tgtgcgtaaa 360
aacaagttg gtttgaaagg tccaatggct actccaattg ggaaaggta cgttctttg 420
aacctgactc ttangaaaga gcttaatcta tatgccaatg ttagancttg ttacagt 477

<210> 10955
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G9
<400> 10955

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aaaatgggac cgagttggaa aagaacaaaa cgaaactcgt cgtcttctac cacttaaata 120
tttttcagta gctccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnngtag tgtctctacc gtgattttta tttttttcta tatactgttt aaacctcagt 240

ttttttgttg ttgttataag atccttgtca ttttttgtcg tgattagatg taatttgtat 300
 aatttttagta actcttcagt ttttttttgt tttaaaaata tattttctct ctctctgtct 360
 tctgcaatc tatcgccggc cgattcaata atttcgcttt actcctgcca aaaaagtttg 420
 ttcttttggg tt 432

<210> 10956
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-H1

 <400> 10956

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 tcaatcatct tctcctgtac cggaaatcaa caacttctct atacatccgg ttatgcaagt 180
 ctttcccgag ttcccggtac caacagggaa tcaatcatac ggacagctta cttcatcgaa 240
 tctcatcaat ttggttccat taacttttca gtcaagtcca gcaccgcttt ctctcaacct 300
 ctactagct tcatctaata ttaatgaacc atctccttca atgcatccag cattcaacac 360
 gattggagtc gcttagagct tatcctaaag gtgaaaatct gcaacacacc ctgtttgttt 420
 ctttgctgta cagataaggt ctgactttgt tataaaaaaa ttc 463

<210> 10957
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-019-Q1-E1-H11

 <400> 10957

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 gtgogtctcc tctcctccg tttcttcaga tcttgctttc cggtgacggt tttaatcttc 180
 ntctctctgg taacacgtaa taagcatggc ttatctgaag tagacatgta gtgttangct 240

aaagactcct cttttcactt ctgtcgtgtt nagtttgtgt tggtttaang ctttaagcca 300
aaagcgttgt tggctcgaca agatggcant ggccgtgttt taaaggctcc tcttaaaaaan 360
gggaaatttc aanggggccca anaaataatg gaanggaaac aattttnggc accatct 417

<210> 10958
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-H5
<400> 10958

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atgtcaagtt agcttagccg tctcaccaga aagctaacct tacctcacia acattgattg 120
tgttacacta atctcttaaa tagagagccg taatttctac aactctgat cgctagatgg 180
aaacggagat atcaggaatg gataatccag ctatgacctt ggacgaggtt tccatggaac 240
gcaacaagag cttcgttaag gcattgcagg agctcaagaa cttgaggcct caactttatt 300
cagctgctga ttactgtgaa aagtcttatt ttcatagcga gcaaaagcaa atggtattgg 360
gacaatttga aagactacac tgtgaaggct ctagttaatg ctgttgatca ccttggaact 420
gtagcttcca agcttactga tctttttgat ca 452

<210> 10959
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A1
<400> 10959

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attcgtanta ctctcttctt ttttgcgtc ctaagaagat tgtggacagt actgagaatc 120
ttggatgaagt tcttcgttgt gaccgaatcg aaaatgctcc ttattcgttt aaaatgcgtg 180
aggcgcaaat gtgtaatgtt ctcggtcgtg ttatgcttga tgcaaagtct gccaaagcgt 240
ttaaagagaa gattgatgat gagtatcgag ttaacatgat ccttgataat cttcctctag 300

tggttccgat cgaaagaatt gatccgggtc agggttctcc ttctgttggtg tatcagctag 360
gatatcatgt tgggtcttaa ggccagtatg aaggagcat agagcaaaag tatttatgca 420
caatcacntg 430

<210> 10960
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A10
<400> 10960

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tccgcaaaaa aaaccttcgt gtgcgtctct cgtcctctaa attgtcgaaa atgctggcta 120
ngctcgctgc gaagcgtctt ctcgagatcc gtcaagtttt ccgtaacca acctctcagg 180
tgactcgtn cttatcgacg gccttaaact accatctgga ttcncctgat aacaaacccg 240
atcttccatg ggagttttca gaggctaacc aatctaaggt taaggagatt ctctcttact 300
atccatccaa ttacaagcag tccgcagtta ttcctctcct agatcttgca caacagcaga 360
atggangctg gtcctctgtt tcaacaatga atgcgggtgc taaagttata gaagttgccc 420
tatccgtgtt taagaagggt caacatttta ccaatgttna acaaagc 467

<210> 10961
<211> 485
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A11
<400> 10961

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agatatgttg ctgactgctg taaactctga gacaaatctc tcacagactg catcaactgc 120
agaaggaata aaaatggagg caaaaagcca gataactttg acaactgagt ctctagggtc 180
tggaactcc gacattccct ctcagcagga tctacaaact tctcgtgaag tttcagttat 240
atcaatttct gaagctcaga gactgatttc tctgttcttt gctttgtgta aaaagaaacc 300

tagtctcctt cgacttgtct ttgaagttta tgggagagct ccaaaaatgg taaaccaggc 360
 ttttcacga catataccta tctaatacga agaattangt tcattctata cggnactact 420
 ccaaataata tccgaccctc ctaaggggaa ntgnaaatta ttgncaaaat gtgtttccaa 480
 naatt 485

<210> 10962
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A3
 <400> 10962

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 caccgccgtg ttgcatgcgg cggcgatagg tctatggtc gacctaggga cgtgggtcat 180
 gagctctaaa cttatggacg cttcgggtgac gcgtggcatg gttttagggc ttgtgaaaag 240
 tacgttttat gaccattttt gcgccggtga agatgccgac gcagccgctg agcgcgtag 300
 aagcgtttat gaagctactg gtcttaaagg gatgcttgtc tatggcgctc aacacgccga 360
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<210> 10963
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-020-Q1-E1-A4
 <400> 10963

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 gtccanctc ccgcaaccna cggccgctcc aagctncaag ctccnctaa canagtggaa 180
 gctctaggag gaaatggtgg aacaatattt gacctgggtg ctttcgatca tgtaagaaag 240
 gtttatattg gtcaaagtga ttctgggtga gcttatgtna agttcgaata cagnaaagat 300

gggaaaagag anacacggga gcatggaaaa atgacagtgt taggaacaga ngantttgag 360
gttgagtctg atgattacat cacatcaatt gaagtttctg tcgacaatgt ctttggnttt 420
aagagtgaag tcgtcacttc tcttgcntc aagacctta aggaataac ctcaaacct 480
tttggnatg 489

<210> 10964
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A6
<400> 10964

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attaacaacg aatctaaatg gccgctgctt ttgcttccag attaaccga ggaggacgtt 120
cattgcttgg aggtcttaac aatgggtggtt cgatgaattc ttctaattga atgatgaatg 180
aaagtatcct ctctcagcag cagcagagaa ggacatttat tcagatgggg actgttctca 240
aagtcgtgga caattcaggt gcgaagaaag tgatgtgtat tcaagctcta aaggggaaaa 300
aaggagctag acttgagat actatagttg cttcagtga aagaagcgat gccaaacggt 360
aaagtgaaga aaggagccgg ttgtgtatgg tgtggttgtt cgtgctgcga tgcan 415

<210> 10965
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A8
<400> 10965

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tgttttgagg aatatttgtt acaagtaatt gaagtggan aagaanatca tgaagttgtt 180
gtggggagct gttttttggg aaatggagat ggagactcag tgttggcatc agagacaata 240
gattctcatg actctagtgt atggaagggt tactgggatt cgttctatgg acgangttat 300

ttttacaatt ttaagacaca aggagtcaaa atgggagccg ccacttggga atggagcatc 360
cganccttata cccgatgaan gtcacaactt gagttaattg gtcatatnaa 410

<210> 10966
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-A9

<400> 10966

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ctctgttctt tgtttactcc gccaaaacc gtgaagaaaa gaaaacccat cacaaaaaga 120
caatcttcta tcggagcttc ttcttccggg tcgggtctta atagtaaccg ttggaacaac 180
cgggtcagat catcttcttc tagaagagac aacaagttcg aagatgcttt gattcaagaa 240
catgctcttg ctgctgctgc tgttttgctc cgacagcaaa acggtggtgg aggatcgctg 300
ccgtttgatc ggtcggcttc acaacgttat caaggttctt gttcgaagaa gaaccagttg 360
cctcgaagct cgagttcgan gtcaaa 386

<210> 10967
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B10

<400> 10967

tacgccgncg tagcctccaa aattcaaaag gtcgaccac gcgtccggct ttgcaaaaaa 60
tccaagaggc gatctttttt tgaagtaaca attgaaccct aattttctct ctttcgatct 120
caccaaactt tccgatttcg tgtttanatt cctcaatctt ggtacctcgg agctcaaaaa 180
accctaagag aaaccccaaa tttggttgct aggggaatgt cttctgaaca tatatcaggt 240
ggtggagctt caaagacgaa gaaacataag tggagctcaa gccagaaccg acccaaacca 300
atgggagttt ctagacagga acgatctgtt cctcttgat ctccttcgaa ctcgtttgcg 360
tcggaggacg atcatcacat gttgaagata agtctgagct ccatttcgaa agcttgangg 420

taaggaactt gaagccggaa ctaaaatctg agccttgaan aaggtttg

468

<210> 10968
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-019-Q1-E1-G7

<400> 10968

taattctaag cgnanactca nnaanccgnc tcgtgggnen ncncaannct ctaaattnag 60
tcatattatc ccgctccttt tctctgattt tgaatcgaac ccttaatacc cagaaatctc 120
acggttccga ggagtgggtt tttgggggtt agggttttcg agagatgttg aatgtcaggt 180
tcattgatga atctgttttc tctctgcttc aagccattcg ggcacgtctg tgataattcc 240
gagctggatc gggtggtggt ggtggcggtt ctggtggaac cggcgggtgaa ggcaaagacg 300
gattgctttg gttccgtgat ctcggtaaat attgcggcgg agatttctcc atggctgtga 360
ttcaagccaa tcaggttctt gaagatcaga gccaggtcga atccggtaat tttgggactt 420
ttgttggtgt ttacgatggt catgngggtc ctgaa 455

<210> 10969
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B2

<400> 10969

acggcaccgg tccacaaact cacgggtcga cccacgcgtc cnngggacgc gtggggaaag 60
aaccaagtgc atcttgtag gatgttagta agatgctgga ngagatttgc taaatacaag 120
aaatctactt ttgtcntggc tagagcatat catgagttgg ggatcaatga aaaatccatt 180
gagtcagtac catttgagca gtttgccatt caantgaact cagtttctgt aattcaaatg 240
gtcaaagcat tgcttgatcg cttggagatc cgactcactc tatctaaggc atccaatgtg 300
gagaacatta atcatcttct taagcacatc tttccgcctg ttcgaagagg gaaatcacc 360
agtcccatga gtaaaggcga gcanaantca cccaattcca agatgggata tcaaaaactt 420

aaaaanattg cgagatatcc agctagaatt tttctttgtg cctacatgat c

471

<210> 10970

<211> 558

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-G5

<400> 10970

tgttagccgc cggtagccga ccaaaattcn cgggtcgacc cacgcgtccg agaggataaa 60
aacgcattggt taagagatga cgaattcgca cgtcaagcca tagctggaat caatccagt 120
aacattgaga gagtcaagac tttccaccg gtcagcaatc ttgaccccaa gatctacggt 180
ccacaacact ccgctcttac tgacgaccat atcattgggtc acctcgacgg attctccgta 240
caacaagcgt tggaagagaa tagattgtat atgttggatt ancatgacat attcttaccg 300
ttcctagacc ggattaatgc gctagacgga cgcaaagncc taatggctaa ctccgaacta 360
accntccttc cttggactcc gtcctaaggn aacaacntta aagcccnggt taanccnaat 420
tgganncceta aaagnccctc ccctccccc aaaggggtcc caaaaaanca ttccggttcc 480
caaagnccgt tntggccttt aaaacccttc caannttcna atgggcaaan cctccnnaaa 540
atgtggggat gtttgggc 558

<210> 10971

<211> 548

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-G6

<400> 10971

tattagccng cccggtaccg aacaaaattc ncgggtcgac ccacgcgtcc ggaacaaann 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctaacaagtt 120
cccggagagg caacccatcg gtacatcggc tcagtccacc gacaaggact acaaagagcc 180
acctcctgcy ccactgttcg agcccggcga gtcagctca tggctcttct acaagagccc 240
ggaatagctg agtttaaccg ccaacttcct ttgtttcctc ctaacatcaa ctngtttttg 300

actgttaatg ggggaagttt aagaagaanc aacccaaaaca atngttgttg ccttcccngt 360
 ttgggnaatc cnaaagggtta aancccccctt nggggccttt ttgggttggn aaatgaattc 420
 ntttggcccc ctgtttccaa aatggtnact ggcttgggaa aattttcaaa ggttggganc 480
 aacaattaaa acccctggcc tgttaaaaaa ttcggttccg gttccttggg ctccggaaan 540
 tttaaacc 548

<210> 10972
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H10
 <400> 10972

ggtcnaaaca accgggtcgg ncacgcgtcc gacanacgtc cggagcaaac ttttattatg 60
 atcaagcctg acagcgtcna gaagaggact catcggtgaa ctcatctgca cggtttgtga 120
 aagaanggtt tcactttgaa aggtctgaag ttgatcantg taganagatc ttttgcngan 180
 aagcactacg aagacttatc tnnaaagtcn ttentcaatg gactcgttga ctacattgta 240
 tccggccctg ttgttgctat gatctgggaa ggaaagaang ttgtcttgac cggaanaaag 300
 atcattggng ctaccagccc agcagcttct gagcctggaa ctatccgtgg ggactttgct 360
 attgacattg ggcaaggga cgtgattcat gggtaattga ctctgtcca agaattgcaa 420
 agaaaaggag aattgccctt tgttgggtcc cctgaatggg ancctgtcaa cctgggcaaa 480
 aacaaccttt aaccctnt 499

<210> 10973
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H2
 <400> 10973

gnatttccac acgattttcc ctgtgatttc ttcatttccg gcgacttaaa acggtgtcta 60
 gcagaatgag ccgancacaa gatccacccc gaggtttctt cccatttga aatccctttc 120

ggatgttata atcaanggga tcagatttat cgccatggct actttctcta ttgaacggct 180
 ttgagctacg tttggaagag agactgaaga aacttatgcc taagaacaaa gatgacatcc 240
 tcactttata ctggatgaag ctagctatgg agtcactctg cgagactcat aagaacatta 300
 acactctcat tactgatctc cagcttcctg tctctgattg ggaagagaaa tgggttgang 360
 tttaaactcaa catangcgtt aggttactaa atttccgtaa tgcctttacc tctgaactca 420
 aaagtctcaa caagggag 438

<210> 10974
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-H9

<400> 10974
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 ggcacgttc aagtctttcg cagccgttct cagtgtcctt tttcttgcca tgactgctat 120
 agaaacggta gttcaagccc aagaatgtgg caacgatcta gcaaatgtgc aggtatgctc 180
 cgccatggtg ctgcccgtt caggcagacc aaattcagag tgttgcgccg cacttcaatc 240
 tactaataga gattgtctat gcaacgtctt ccgtgcagcc acctctcttc cttcgctttg 300
 taaccttctt cctgtggatt gtggtataaa tgcttaagtt aagctacgag tcaattccaa 360
 gatgatcaag gaaaacggga aaataaagaa taatgagaaa tatccaagtc ctaagttttt 420
 tcctcnaact tccgctttta cnataatnaa attctagtan gntttgctaa aaatttagat 480
 actacta 487

<210> 10975
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A11

<400> 10975
 accgaancca aaaattcccn cggtcgaccc acgcgtccga ccatgtttga tgtaccggtg 60

cagctccatc gattggaagc catctccggt ggtagctctg gccaccagcg ccgacggttc 120
 tcangtcgcc gcagctcgtg aggatgggttc tcttgagctc tggctcgtct ctcccgggtgc 180
 ttctctttgg cactgtcagc tcatcattca tggagatcca aaatcgagaa tctcgcacct 240
 tgcgtgggtt ggtactggtt ctaaagggtc ttcttccgct agattgtttt cttcgancat 300
 tgatgggtca atttcagagt gggatctttt cgacttgaag cagaaggctc tcctagattc 360
 aattgggttt tcaatctggc aaatagctct gggccctatc tctattgaag cagaaaagta 420
 aaagaancta aagctgattc aagaatggat acttgagtgn aaaatca 467

<210> 10976
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A12
 <400> 10976

tttagccgcc ngtaccgaac caaaattcgc nggtcgaccc acgcgtccga ccacgcgtcc 60
 gcccacgcgt ccgaaaggaa gtcctttttt ggtatgtatg cattgcctct gttatctatt 120
 tgcgaaaatc tgaagattgg ttctctacc gagtggttta tactttgata cttcatctaa 180
 agctctaggc ttttcttatt ttcttgtttt ggattgtttg ttttcgctct agggtagccc 240
 aaagaggacg ctctctgaaa aaagaagaag tggttcgtaa cataatctga acccgaggac 300
 acacacacga tgatgcattc gacggtgcag catgggggaa acaagagtgg caagtcaaatt 360
 gtatgggcta atactaactt ggcanagaca gtggcagctg tanatgagtt caaatttggg 420
 ttcccatcaa gcgggttaac cactgtgtca aacaaattgt nggggaaagg cacagгнаac 480
 gcg 483

<210> 10977
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A3
 <400> 10977

taccgcgcct gtaggtctaa aaatctcggg ggccnccaan cgttcngaana acgcgtccgc 60
 tttgaaccgg aggtttcctc caccctttga aaattccatc atcgattgac ctatagctac 120
 gagatctgct tttcaatttg atgctcttcc attagttaga aaagttgctt ttgatcggag 180
 caactatggg gtcgtctttt gagaccatcg atatcgctac cagtgcctcg agaattggcg 240
 tagataatcg tatttctctc aaattttact tcaggatcgc tgataaatatc ctcaaacagg 300
 ccaacatatt tcgggcagag aagaatgtta ttgatttata tgtcatgctt ctgcgggtttt 360
 caagcttggc tctcgagact ataccgtccc atcgaagatt acagaacatc tctaaaaagc 420
 cataaagagt anttgagaat gggactacta gatgtcctga ccgngctgga gaagtt 476

<210> 10978
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A4
 <400> 10978

gcacaccact cagaggaaca gagcttaacg ggcactatgg aagggtattg actgcgaagt 60
 tgcggagatg atattctccg tctcggattc aagctacgcg gtggtaccgg tggccggatt 120
 cagattctcc agcgagctat ggtgataaaa atgagagacc gtagcaagaa caggaaacca 180
 ttgcagagag gacgaatgct cagtatcnaa gcgattcaag cggttcaagc cctgaagcga 240
 gccaanntttt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnntg atcgtgtant canttcnaaa ttccgtcggc tcttganaat tcgatattgg 360
 tcgcnttcc angagaactt tntacggcca aaannnagng ctctccangc cctcanaggt 420
 ttttttga 428

<210> 10979
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A7
 <400> 10979

tgattactga ttcttcattg acggtaggag tcaccacttt tggcggcgat tccttggtct 60
 ctatTTTTTT tgcacaagca acatttagct tctgcaaact ccagttcatc tctcaaccct 120
 catatcgccg tgTTTTtctg ctctagtacc gcgagctcgg acgaaccagg aagcaatccg 180
 ttaatctaga agcgggtgtg agaagatgac gattacatca aatatctctg tacagaacga 240
 taacctcggt gttcaaggga agactatcct taccaaaatc cctgacaaca ttatcctaac 300
 tccggttacc ggtaaattgga ttcgtttccg ggttcattta taaggcgga cgttttgaac 360
 aaagcaaaga agtcctcaan gtgttcccca atcggtgtat tggaagggtc ctcgggttca 420
 aggtgctgtt tcccgt 437

<210> 10980
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A8
 <400> 10980

gccacatttc tctttaacct catctcatct cttagtcgag atcttcactt tctgatgaca 60
 atagggtcgt ttttctcttc tctcttattc tggcgcaatt ctcaggacca ggaggcgag 120
 agaggaggga tgcaggagat anatcttagt gttcacacta taaagtccca tggagggaaga 180
 gtcgcttcta aacacaagca cgattggatc atactcgtca tcttgattgc catcgagata 240
 ggcttgaanc tcatctctcc tttctaccgc tacgtgggaa aagacatgat gactganctc 300
 aagtaccctt tcaangacaa canccgtacc gtatctgggt ctgtccctgg ngtaacgcng 360
 tgctgcntc ccaatcanac gngtttcgtc tggcttcgac ctgn 404

<210> 10981
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-018-Q1-E1-A9
 <400> 10981

gtttcgttgc ccggccgngc canacaaaa tnggccggtc naccacgcg nccgcacatt 60

ttctcattct ctctacaac aagtttccgc cgctaagcca ctactacgc agccatggca 120
aatcctgacc atgtttcaga tgtgctacat aatttgtega ttgatccaac aaccaaggct 180
ttagctcctg attctgaaac aaagttgcag ggggcttatg gcggaacgg taatgacttc 240
ttgctcaatg atgagttagt ggaggctacc aaaattggta aacctagtct tttgtctaaa 300
gatggagggtg tgaccaaaga caanggatcc acccttaaga aactcgggta ccaaagtgc 360
ncttataacg caaaggggtt catatgggaa tgggtgcctat gcttatgggt actatcccc 420
agnatatcag taccacaac atggttacac tgggaactat gctcn 465

<210> 10982
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-018-Q1-E1-B11

<400> 10982
actcgcgggt cgacgcacgc gtcngnatan nntnctccga cactctcctt ctctttctcc 60
gaactcttcg atggccggtc tactcaaac gccgtcttta catctcacac caactcttct 120
tcatgtcctt tctgtaccct ttaagccctt ttgcgtatct ttcgccggag gaagaaacgt 180
tagcgtctca ctctctcgcc gagcttctct ccggtctgtc tctagcggct atcctctccg 240
cttacnaaac ctctgtaccct ttgcttcggg agaagctgag acgacggaga cggagggtgga 300
atcgaacgaa cccgaagttc aggagacgga tgggtgctgtt gatgtcgaga atgaaaatgc 360
cagtgtgag gaggggtgaag ctgangaaga agaagcagct gttatcacia gcgttgctga 420
aatccnataa agaaacct 438

<210> 10983
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-G12

<400> 10983
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taactcgac aaccttatcg agtgaaagaa gattgggtca gtagtgaaaa atggcgtcga 120
 ttgcagcttc ttctaccttt cactcgtttt gcagaaccaa aagccctaata ctttcttcga 180
 cccaccttct tcctttgtcg aaaaacctca actttcggac cagagctatc ggaaatagcc 240
 gcaattgcag ttttgcgtgg tttataaaac aaaatcgctt tggattgagg aagctttcgt 300
 ctattggaga aggaggagaa ggtgtcgctg tcgcagagga gcaaccgcaa gagactgtct 360
 ctgttcctgt ctctccttca gacatgctca acatgttttt ccangcctga tgggaacttg 420
 aaccaaagca actattncca aatgtgacaa agggccttaa aaggataatt gaanggagtt 480
 cccaatttaa agg 493

<210> 10984
 <211> 711
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E4

 <400> 10984

aaaagccctg gggntttttt aaacgttccc ccngggggcc ccnaggggc cctaaanccc 60
 ggggggggttc ccccgaaaaa aannaaattt ccccccgagg ggggggttcc cggaaacccc 120
 caaacggggc cggttccccg ggggatttnt ttccccgggg gccaaagggg aaaggggaag 180
 ccaaaaaacc tnccgnaacc gaacaattta aagcctttcc tcccggaaaa caacaaattt 240
 ttccctcccg gggcttttca ataaaaattt tcgggggggt taacaatccg gtccctaaat 300
 tccgtcctgg ataanggttg ccgaaatttg tggttctccc ggggtcaaagt caaatgtcag 360
 gaatcacata tcaaatattg ttctcctcc ttctcgctc tgtctccttg tcgccggtca 420
 aggttatgga gcaagtagtg aanaagagaa cattggctat gataaagcca gatggagtct 480
 ctggtaacta tactgaagaa aatcaaaaaa cgattcgtcc gttgaanggc tgggtttcaa 540
 atatccgtca aaggggagaat gcttaactca agctnngggac aaaggganaa aaaagctttc 600
 cggcgttttt aacgaaaggg agcaactcna tccaaaggga nccntttttt ccctcaancc 660
 ttggtttaca ataacnattg aacnaaangg nttgttgggg cccccggtgg t 711

<210> 10985
 <211> 404

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E6

 <400> 10985

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 tggttgtgct tgctgctgcc attgtgggtca agtctgggaa agtgattgtt tccagacact 120
 atgtggatat gtcccgatc agaatcgaag gtctacttgc agcttttcct aagctgggtg 180
 gaatgggaaa gcagcatacc tatatccgag acggagaatg tgcgataatg ttatcagcct 240
 attgaagctc tgttcctggc tccttggttac aactaaagca gagtaacatt caagaagact 300
 ggccaccctt actttgctct caaaacttgc acctgagtat ccatgtctta gatgangaag 360
 gattccaggc atcttttgag ccaatttgca ttgatgaatc atan 404

<210> 10986
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E7

 <400> 10986

 gcttaaaata gaaccaaaga gtaaactt aagcaaaaca attttgcct actcttaggt 60
 tatctccaat gaagaactta aagatgggtt tcttcaagat cctctttatc tctttaatgg 120
 caggattagc catgaaagga tctaagatca acgtagaaga tctccaaaag ttctccctcc 180
 accatacaca gaacaacctc caaaccataa gccttctatt gtttcttgc gtttttgtgt 240
 ggatcctcta catgttaacc cgacctaaac ccgtttacct tggtgatttc tctgctacc 300
 ttccaccgtc gcatctcaag gtcagtatcc aaaccctaag gggacacgca agacgtgcaa 360
 gagaagcagg catgtgttgg aagaacaaag agagcgacca tttagttgac ttccaggaga 420
 agantcctga acgttccg 438

<210> 10987
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-E9

<400> 10987

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tctcagattc tcccttcttc tgggtcaccc agcaagattt ctcttcagat acatggaagg 180
actttggcca ttgatcttt tcatgaaatt tctgctagag gtttaccggc tttgaacaaa 240
gcttccttga agaagctacc aatcaaagga tctaccttc tgctggggca gagcttggtg 300
atggtttctg ctcaccaca gttggcagca agcagcaaga aatcataaag cctgaaccga 360
tttacgaagt tggngaatta tttgaacnta agtaatcanc tttctacnt gcngtacaaa 420
nggggttccc tggagttt 438

<210> 10988
<211> 452
<212> DNA
<213> Arabidopsis thaliana .

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F10

<400> 10988

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ggagaggatc atcatttcat aggagtgaga gacccatta ataccagaag cagtcagagt 120
ttctcaagta attgtaccaa attctctcta ttcttcttct ctttcatttt agatattttc 180
tcttacgcag actcattgct ttcctctctc catggaagct actgagttat gatccttacc 240
ctcaccggtc tttaactatg cttagaaaca aacctagagc agccgtgacg actaagaaac 300
aaacatctct gttaatggct gatnaacctc cacctccaaa agcctaacac tttgccactg 360
cncaacaatc tctctttaag ctctcccca aggttttaag gttttcaact tcnnaagaat 420
gaattgaatg gactccccct ttgggctccn ga 452

<210> 10989
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F11

<400> 10989

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ttgggatgcc ttctgcaaga ttcttgggaa gatcgccaag aatgccacgg ctgagataac 120
agtggaccag tatcaccgtt acaaggaaga tgtggatttg atgaagaaac tgaacttcga 180
tgcttacaga ttttccattt catgggtccag gatattccct ganggaagtg gtaaagtcaa 240
ctggaaaagg attgcctatt acaatagatt gattgatata tgggttcaaaa aggggattac 300
accttaagct aatcctgtac cactacgatc tttccaatgg ctttgggaaa acaagtttaa 360
agggtgcct tgg 373

<210> 10990
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F2

<400> 10990

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cactgctcat cagattagca gcgattcatg gtttcaggca gcgttcgttc tgacaacaag 120
tataaacagc gcatacgtgt tgggatattc aggaacagtc atgggttcctt taggatggat 180
tgggtggtgtg gttggtctta ttcttgctac tgcaatctca ctctatgcaa acactctcgt 240
agccaagctt catgagtttg gtggcaaaaag acacattcgc tatagagacc ttgcgggatt 300
catttacggt agaaaggctt attgtcttac atgggtgttg caatatgtca atcttttcat 360
gattaatttg tgggttcac cactacgatc ggttccgcct taaaaggctg ttangtgcnt 420
tttagggatg atnaaggcca t 441

<210> 10991
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F4

<400> 10991

gaccacgagt ccgcccacgc gtccgcgcta cactcctctt cctctacgtc accgtcgcta 60
ctgtcatcgg ccacaagaag caaacccggtc cttgtgacgg cgttgggttta cttgggtatcg 120
cttggggcttt cgggtggatg atcttcgtcc tegtctactg caccgccggt atctctggtg 180
gtcacattaa ccagctgtg actttcggtc tgttcttggc ccgtaaggtc tctttggtgc 240
gagctcttgg ttacatgata gctcagtgtc ttggagccat ttgtggtgtg ggtttcgtga 300
aagctttcat gaaaactcct tacaacactc ttggtggagg agctaacc gtaactgacn 360
gttacagcaa aggaactgct cctcggggct gaaaataatg ggaactttcg tccttggtta 420
anaccggttt tctcctggaa an 442

<210> 10992

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F5

<400> 10992

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tcgattcttg ttcatattcg agaatatctt gcagtatttt ctgtctctta nccttttgta 120
tcttcttctt gacaacgacc aatgctcagg taatgcatag acggctctgg ccttgggcat 180
tgtggccacg gccgtatcca cagccgtggc caatgaatcc accaacacct gacctcac 240
caaagcctgt cgcaccacct ggcccatcat caanacctgt cggcaccanc agggcccatn 300
tccatgcncg gtcaancaac naccnaang cctcaaagnc agggcccccc aaccaagcca 360
ccctaagncc aatcntccaa tggcccancn aacgaaccaa ccctaaaggc cttcaaccg 420
nnaanccaag naaacnaacc gggccagaaa ccaaaaaggc caaggggcca atcaaccaag 480
cngc 484

<210> 10993

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F6

<400> 10993

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nnnnnnnnnnt tatecttata cgataaaccc acaaataaag acagactctt ttgttcttta 120
aacagagatt gtaaattccag agccgccgga aaatacaacc gccggtttac tctcaggatt 180
agttgatatt attcgatttt aaaaatcagt aggaagaaga tgaagtacgt gcttgtaaca 240
ggaggtgttg tgagtggatt aaggaaaggg agtaacagca agtagtattg gngttctcct 300
taaagcttgt ggtccttccg agttacttcn aanaaaaatc cgattcctta acntggaaca 360
ctggatgcct gggaactaaa ggtctccaat tttgaaacan nggtgaaagt ttttggcctt 420
ggaccnaang ggtggtnaa nggtgggatt cttgggatcc tt 462
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<210> 10994
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F8

<400> 10994

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tatgatactt gtactggatt gataatgagt atcaacagag atgaggctct tagagccaaa 120
gatcttgccg agggtttgat gaaaaagacc gattttactg ctgctcgtaa gcttgcaatg 180
aaggctcaaa aaatggattc cagcctggag aacatatctc gtatgataat ggtttgtgat 240
gttcaactgtg ctgcaacgga gaagttgttt ggaactgaga tggattggta tggatttcct 300
cangttgagc agatcgctaa tgatgttatc atcaagaaac atacaagagg cttgcgcttc 360
ttctccaccc tgacaaaaat aagctccccg gtgctgaatc tgctttttaa ttgaattggg 420
gaaacccaa 429
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<210> 10995
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-F9

<400> 10995

ngttactctg cgggcacggt ccaaaatacc gggtcgaccc acgcgtccga tttatatttc 60
cctttcactg tagatccttt tttccgactc acacactttc gatattttct tttgttttct 120
tcaaaaaaga catatattttt ttgctgggac tatcaattgg ggtccgtcgc cacgccacgc 180
gccgagctcg caatatatcg aaagcaacga tctaggaagg atcttaaaaa tcctacttgg 240
ccacaaattt ttgctattttt tattattttc cgtgtttaat ttctgattca gacaggaaga 300
ttaatattaa gcactagttg tgcaaattca caattttttt tttgtggatg gaaacaaatt 360
tctggcacac gtattccaat ccaaatcgac aatatacgcg tctccgaagg atangttttg 420
gggttcaatg agaaacanag attggtttgg ggttcccnta aacnaggggg ggccttaag 479

<210> 10996
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-G1

<400> 10996

gccaaatcaa caaaagttgg agacattatg actgaagaga ataagcttat cactgtgaca 60
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ccggtaatca aagacaaggg catgattgga atgggtgtcca taggagatgt tgtccgtgca 180
gtggttcatg agcatagaga ggagcttcaa cgcctaaatg cgtatattca gggagggttac 240
tagatcttga ataatggaaa gaaaagagtt ccctgttgtg tcgtctgggt cttgtgctgc 300
tgaatctgaa aagentccag atcagtgtaa tatgcagtec tccgtgttaa tgttggttgt 360
tggttggtgt ttgatgtttt ggtgtttgtt tccgttggtt aacttgtcaa aaactaaagg 420
ccttggtgct gcttccccctc cttgcccc 448

<210> 10997
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-E12

<400> 10997

cgTggggaag atcctctcat tcttatccac gagaagaaaa tttccaatat aaacgcaatg 60
gtgaaagtat tagaactggc cctcaagaag caaaggccgc tgctgatcgt tgctgaggat 120
gtggagagcg atgctcttgc caccctaatt ctgaacaaac ttcgtgctaa tatcaaggtc 180
tgtgctgtga agggccctgg ttttgagag aaccgaaagg ccaatttaca tgatctagct 240
gccctcactg gagcccaggt aataacagaa gagttgggta tgaatctaga caacattgac 300
ctcagtatgt ttggaaactg caangaaagg taacggtatc caaaagatga tactgtttgt 360
tcccnaa 367

<210> 10998
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-B6

<400> 10998

gcctaaaccc tagctgagta gcttcttcct ccccaattgc tatttctctg cctccgtgtg 60
ctgagaacca gaacgaaacc ctagcaaaat atcgccatgg gtaagggtcaa aggaaagcat 120
cgtttgata agtactatcg tctcgctaag gaacgtggat tccgttctcg agcttcctac 180
aagcttcttc agctcgacgc caagtactct cttctccact cagctcatgc cgttctcgat 240
ctctgcgccg cccctggtgg ttggatgcaa gtcgccgtcg agaaaattcc ccgtcggcag 300
cctcgttctc ggtatcgatc ttgtcccgat tctccctgtt cgtggctgtg ttacnatgac 360
gcaagatatc acaaggactg agtgtaaata gaaagattaa gcangtgatg gagcaacatg 420
ggtgtagtg gctttaatt 439

<210> 10999
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B7

<400> 10999

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gaggacattg aagatttctt cgagaaaact accagagatg ctctctccgg tggcaatctc 120
tccgctgctc ccagcgaaga cttgttccac gtcgataaat cccatgacct tccggtgaag 180
cgaaagattg agaaacatan agagagagtg ctccgtgttg acagtatctt aaagaagaat 240
ccatttgtcc agtttagtgcc atcttcaaag ccaaagttga agaaaagtaa gaaagacaat 300
cgttataaga agacaaagca cctaaacaag gttcaaaaaa agtgttgggtg acgaatctgt 360
aatgggccga ctttgttggg gtgatgatat aaanggagaa catganagca atcctagaag 420
ntttcaaaaa tctctgatta atttcag 447

<210> 11000

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B9

<400> 11000

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ccaattctag gttttctcat tgcaatgact ctttagcttt cggcacctct tgcgactggc 120
cttatcctag tctcatgctg ccctggagga caggcgtcaa acgttgctac ttacatttcc 180
aaggggaatg tagcgctctc tgtactcatg acaacgtgtt caaccattgg ggctattata 240
atgactcctc ttcttactaa gcttcttgct ggtcagcttg ttcccgttga cgctgctgga 300
cttgctctta gtacgttcca agtagtggtg gttcctacca taattggagt tctggcaaat 360
gagttctttc cnaaatttac gtctaagatn ataacagtga cgcctctaan cggagtcant 420
ctgactaaac tgct 434

<210> 11001

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C11

<400> 11001

cgactacgtt tccactgttc tgcttcttct tagcctcctt atcttcttga gtcagcgtac 60
tgattctgcc tctatcgtca agtctcttcc tggttttgat ggccctcttc cctttgaact 120
cgaaaaccggg tatattgggtg ttggtgagga agaggaagtg cagttgtttt actactttat 180
caagtctgag aggaatccac aagaagatcc tcttctactc tggttaagtg gaggacctgg 240
ttgctcttct atctctggtc ttctttacga gaatgggcct gtgaatgtga agattgaggt 300
ttacaatgga actcttcctt ccttggcttc tactacatat tcatggacta aggtttcgag 360
tataatatat ttggatnaac ctgttggnac tggnttctcc tantcaagaa ctaaacttgt 420
tacaaaccc 429

<210> 11002

<211> 542

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C2

<400> 11002

gaatcaaaaa gcttttaacc tcagccgtta aatctttctc cgatcatgcc gaccagaaac 60
atcgccattg gtggagtcca agaagaggtc tatcacccca acgcacttag ggcggcgctc 120
gctgagttta tctcgacttt gatcttccgt cttcgccggc tcaagctccg gaaattgctt 180
tcaacaaaga ttactggaca atgggangca accaactccc ttcccggggc tcngtccgcc 240
cggttgccct taagctcaat gcnthtcngg tccccctttg gtccgncggg tcccccggt 300
tnggcggcta aacaattttc ccggggtngg gccaacgggt taanccctgg cccgtttaaa 360
cctttccggg nngtccttaa accccgggtg gggttaaaaa nnaattcctn ccttcngtt 420
ggggaattcc ccnaannngg gggatttggc cccaannctt ncttggggtn ccnttttnc 480
gcgcctttgg ntttcccccc cntaaaccc tttnggccaa ccgggtgggg cnaaagccca 540
aa 542

<210> 11003

<211> 429

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-C4

<400> 11003

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cgacgccgta gaaggcgtct tgcacactgg atacgaccct ggattcctcg acgtattgga 120
gaagcaccgg gagaacgccg atcgcgtcag gaacatgctt tgcattctcc gacgcggtcc 180
catcgctcct catgtcaatt ggtttaccgg tcttccagca atcgtttcgg agcttctaata 240
gtttcacact tcagagtaca ttgagaagct agtggaggca gataaatcag gagaaagggtg 300
tgaaattgcc gcaggtaactt tcatgagccc aggcctcgtgg gaagctgctc tcttgacagct 360
ggaacaactc tttcagcaat gcaacatatt cttgattgcc atgggaaaat tgcataatgct 420
ctgggtacnc 429

<210> 11004
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-C6

<400> 11004

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gaatccttac agtaggagga ggaggaatct cctctgccat cagatttggg aaaataacaa 120
gacgactcca cgtggtggga tctcgaagaa acacgttatg agttctagca gaagcgcttt 180
gacgctagct atggctgttg cggctggtgt gatgaccgga gaaggatctt cttccggagg 240
tgactcgtcg ccgggatnaa gtccgacgac ttctggatct cctccgaggc agctacatca 300
tcattcaaca ncagatgaag anncttcctc cgttgtaccc naggattcaa gggccttttg 360
nnaattggac tncgccnat ccgccttngg gttttggtgc ctgganaatc ntttccgnt 420
ggctggattt ccnaaggggt ttcccgga cggcaattgg aattgggttt aaaggncccc 480

<210> 11005
<211> 431

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-C7

 <400> 11005

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 aacaagacga ctccacgtgg tgggatctcg aagaaacacg ttatgagttc tagcagaagc 120
 gctttgacgc tagctatggc tgttgccggc ggtgtgatga ccggagaagg atcttcttcc 180
 ggaggtgact cgtcgccggg atcaagtccg acgacttctg gatctcctcc gaggcagcta 240
 catcatcatc aacatcagat gaagaagctt cctccgttgt atcctaggag tcaagggctc 300
 tttggttaatt tgacttcgtc tcagtcgtcg ttgggttttt gtgcctggag atcgttttcg 360
 gtggctgatt ttccgangtg ttttccggct acnggcaaat gggattgggt ttaatgactc 420
 ntaagaaatg a 431

<210> 11006
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-C8

 <400> 11006

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 tccacaaaat cccctttaat ccgctaatac gagggttttt ctgtttttgt gttgcttcgt 120
 tactacggtt acattcttct cttccccttt tgatttcaaa gaaccctctt gataccttaa 180
 gaagaggcaa tttgaagttt tcttcacaga tccgtcttag ctctttctag agaatggcgg 240
 atttgatacc attttatctg aatatgggtg cgtttctatg tactggttgg agctattgct 300
 ttggcgatat ttcaatatct acaggcatct tttgaattac acggaaccaa cttatcagag 360
 atatatgtac gcattatcct tcatgggtccc ggtttaagcc ntcaagtcac cctggtcctc 420
 gggttaccaa aaa 433

<210> 11007
 <211> 446

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D1

 <400> 11007

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 ccgattacgc caccggttacc tgagatttac cgaataccta atcctccacc aaagcttccg 120
 gagatctcaa ttctctccgac acttacgctc tctccatctc ccaaacactc caatttcgctc 180
 aatttcctcg agaacaatct ccctcaccat caaacactaa cgccacaaac tcttcttgga 240
 ttctctccgtt ccaagatccg taaccatccg ctctacgctc attatgactt cgccgtcttt 300
 aattgggcaa gctacactcg acactttccg tcatgatcac gattctttcc tctgggatgt 360
 cgagatnact cgccgccacg caccggtttg acgatcttta tctctctccc cttttttgta 420
 nctgcgaatc caaggtcctt gttccc 446

<210> 11008
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D2

 <400> 11008

 aactccgtga caaaagatag tactttcatg tctgttttgg ttctatccaa aagtatcaaa 60
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 agattgattc gttggtggaa agcgtctaaa ttttgcgtaa atggcggcag ctcttgtagc 180
 cagattctgc cggggatcat cttttccggt ctctggtcac ggatatagga tgctatcgac 240
 ggttgaaaat gtatctgaaa gtggtaaata gatgaatcta tactctgcta ttaatcaagc 300
 tcttcacatc gcttttagaga ccgatcctcg gtcttatgtt ttttggggga aagatgttgg 360
 gatattgggtg gtgtcttccc gatggtacaa acaaggatta agctgaaacc gtttttgggg 420
 aaaatccccg aanttttcaa acaactccct 450

<210> 11009
 <211> 437

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-D7

 <400> 11009

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 aagtgactgc cttgagggtc acagagagag caagggctcg cattgagaaa gctggagggtg 180
 aatgcttaac ctttgaccag ctgctctca agagctccat tgggccagaa cacggttctt 240
 cttagaggac ctaagaatca cgtgaagcag tgaagcattt cgaacctgac attgaagaac 300
 tttgaaggtc ttgaccttgg aaagatggac gaaggcaatg actctggctt ggcttcgtaa 360
 gttgcctggt caaaattgac cgtaccttga nctggaaggt atcaantggc tccaacaatc 420
 acaacatgcc aattctt 437

<210> 11010
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-017-Q1-E1-E1

 <400> 11010

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 atgctaaatc agccatgctg atcttcttac tagcattggt catcgcatct tgtgccacgg 120
 ccatggacat gtccgttggt tctccaacg atanncacca cgtgaccgcc ggtcccggcc 180
 gccgtcaggg tattttcgac gctgaagcca ccttgatggt cgantcatgg atggtcaaac 240
 atgggaaagt gtacgactcc gttgccgana aggaacggcg tttaactatt tttgaggaca 300
 acctccgttt tatcacnaac cggaacgctg agaaactcaa ttancgggct tggtttgaat 360
 ccggtttgcg gatttancct cnccatgaat aacnggagaa attttgcaat ggggcctgat 420
 tcaaggacct cctanggaac cacg 444

<210> 11011
 <211> 448

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-E10

<400> 11011

gaagagatcg gaaatatccg aacgggtcaa gacccaatan agtagccggg tcgggttatt 60
ggaaagcaac ggggtactgac aaaattatca cggcggatgg tcgtcgtgtc gggattaaaa 120
aagctctggt cttttacgcc ggaaaagctc ccaaaggcac taaaaccaac tggattatgc 180
acgagtatcg cttaatagaa cattctcgta gccatggaag ctccaagttg gatgattggg 240
tgttgtgtcn aatttacaag aaaacatctg gatctcanag acaagctgtt actcctgttc 300
aagcttgctg tgaagagcat atcacgaatg ggtcgtcatc gtcttcttca tcacaagctt 360
tgacgacgtt ctttgattcg ttccccggng aataaaaagac cantccttta atcttctctc 420
gggatgaatt cgctcnagga ccattctt 448

<210> 11012
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-017-Q1-E1-B4

<400> 11012

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tctttcatct tcagcacaat cttccttccg tgagctcacg accttctca gtcganacaa 120
accacgagac tctccctttt agtgtttcaa agccagacgt tgttgtgttt gaaggaaagg 180
ctcggaatt agctgtcgtt atcaaaaaag gacgacgtgg aggangtgga ggacncngag 240
gctgtggagc acgaaacggc ggtangagca agggaagagg aggttggtcaa cagtattagc 300
cgcanccctt gactggaaaa cgncgcggg aaggggttgg ttcccgattc ataacgggtt 360
ggtgggnaaa tgggcaaadc ctgggggtgg gtgggattcg ggaaaaggn tnacnatng 420
atttaagcng ggcaagcaat tggaatccct tccaagggg aacaaagttt tttccggtnc 480

<210> 11013
<211> 422

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B11

 <400> 11013

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 gagccttctt gctgcaagtt ctgcacctag cccaacgggt tctgctggag gaaatggaga 120
 tgtgatctcc ttggagcaa ttacaatgc ttcacagcat atggcagatt atggtcttgg 180
 tgatatagtt ttctcatccg aaggagtgat ttcgagctat ggggatgcgt ttcatatctc 240
 tgacattatt gaaagcactg ttggtctttt cgcagatgct gatgttacat tacatcatca 300
 ccaaattgga gattcttgtg aagatatttt ggataacatc ttgattcgaa atggagtggc 360
 tgaagaaatg aatggtgatt tgatggaaac tagttgcaa gacgaaaccc aaaaagcaan 420
 ag 422

<210> 11014
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B12

 <400> 11014

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 atccgtttga ttttttctgt gtcgcaatct ctctctctta ttaattcatt caaacagaa 120
 aagtacggga aaaaggaatt gagacggtgg gtttcgatgg ggtcaggtgc atcgaagaat 180
 actgaggaag atgacgatgg ttccaatggc ggaggtggtc agctctacgt ttcactcaaa 240
 atggaaaact ctaaggttga aggagagctc actcctcatg tctatggctc tcttctctc 300
 atcggttctt gggatccttc caaagctctt ccgatgcaac gtgaatctgc gttaatgtcg 360
 gagctaagct tcgttgttcc tctgatcac ganactttgg acttcaagtt ttgttgaaa 420
 ccaaagaac 429

<210> 11015
 <211> 434

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-016-Q1-E1-B2

 <400> 11015

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 gccagatcta attcggaaag caaaggaagg aggcttagat gtgattcaga cttatgtgtt 180
 ctggaatggg catgagccat ctcttgaaa atattatttc gagggcaact atgatttggg 240
 taagtttgtc aagttggtcc aacaatctgg actctatctt catctaagga ttggtcctta 300
 tgtctgtgct gaatggaact tcggagggat ttcctgtttg ggcttaagta cattccaggg 360
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 agattgttaa catg 434

<210> 11016
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B3

 <400> 11016

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 ggactatctc tggtcatttc attcagatgc ctagctctat ctgttatggc ctccatggca 180
 ctgaactagc ttgtgagact gagtgtagcc gcggtgagga ttatcggttg atcaaactca 240
 ctatcataga ctacaataga aagaaggaac aaacagttgt agtggagtgc aaaggccatg 300
 atgctgctcg aattaatgat gtcgagcatg ctcacgggtg ggaggaagat gtgataggat 360
 tagtcgaaga aaaacacggg gaaagaagaa agtaccgggt tcgttcgaat gtgagacatt 420
 gaagg 425

<210> 11017
 <211> 482
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-016-Q1-E1-B4

<400> 11017

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nnnnnnnnnn nnnnnnnnnn nnntctcttt gcaaccaaag aagttaaadc gtcttcaaag 180
tcacttattt tcacctcaac atctctcatt ctctcagtct aatgtctctc gttacagagc 240
gttttgtgtt tcttcaagct ctctccaga gggaacagtc tccgtagtcg atttccatga 300
gaaagattgg tcctttctcg aatctatgga aattgactcc actgaacata ctgagaagat 360
tgaganggat cataaaggct ggaagaatta tccgaatctt cgaagggttt tgggttcaat 420
tagctcccg aaacaatccg ttgatngttt gggaanatcc tcaaccttcn caagcgtttt 480
gg 482

<210> 11018

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-016-Q1-E1-B5

<400> 11018

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cgatggaaga cgaagaaggc atcgggttaa ttttagccag agccaccgag ctgagactca 180
agatcagcga ttgtatcgat aactccagta ccaccgtcag cgacaacggc gatggaaacg 240
aggatctttc tcccggagaa ggaagaaaaa gcgagattat tgggaatcaa gacaaggatt 300
ttgactcaat cagctctgag gatgtagatg aagcagaagc tgaacggctt ttgcgtattc 360
gtgatgctct tgaagctctt gagtctcagc ttgctcttta cagaatctaa ggcanagaca 420
acaata 426

<210> 11019

<211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B6

<400> 11019

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gtttcttagt taaaagtaac caagtttaca tggttgagct agacattcag attccatcag  120
catacgatcc atttgcagaa gctaaagatt cagatgcacc aggagctaaa gagaacattc  180
acattcgaat ccagcagagg aatgggaaaa agagcttgac gactgttcaa gggcttaaga  240
aagagtacag ctacgagagg attttcaagg atttgaagaa agatttctgc tgcaacggta  300
acgttgtgca ggacaaagaa ctaggcaaga tcatccagct tcaaggtgat caaaggaaga  360
aagtgtctca gttcttggtc caaactggga ttgctaagaa ngatcagatn aagattcacg  420
gtttccaaac                                     430

```

<210> 11020
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-B9

<400> 11020

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cgccttgcaa tcatcgagaa aatcgccact aatctcgga ccttaggttt catttgggcc  120
acggtggttc ttctcggtgg attcgctatc acgctcgaaa aatccgattt ttggttcac  180
accatcattc tctcatcga aggcactcga atcttcagca gaagccacga gctcgagtgg  240
cagcaccagg ccacgtggac tgtatccggc gtcggaatca gtagcttccg cgtgctccaa  300
tcaagctcaa tttcatttct cagaaattta aaacgaatca gcgatgggat ctttaagccg  360
attctcgaca atggattgag agaagcgacg acgagaatcg gacgacaaga gatntttg   418

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<210> 11021
 <211> 426
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB24-016-Q1-E1-C12
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 acattgcccc gattgtctct attcatactg gggaaatgaa tgaaatgcaa tggtttgaca 180
 tggagttccc caaggcagag attctaatat tgaacttctc ttcagacaag tatgttcttc 240
 cgctttttat cagtaagatg agccggctta aggtcctagt gattatcaac aacggcatgt 300
 ctcccgcggg tctccatgac ttttcaatat ttgctcattt gtcgaaacta agaagtctct 360
 ggctagagaa ggttcacgtc cctcaactct ccaactcaac caacccttg aaaaatctcc 420
 acaaga 426

<210> 11022
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-C3
 <400> 11022

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 ctagcgtcta gtgatcttca aggagcaaag acatttgcca tccgcgcatg cgaagctgac 180
 ccgacccgag cagaagctgc agactacatc ctgcgaatct gcgacattct tctcgccgga 240
 gagactcgtt taggtgattc caacttgcca gactggtacg ccgttctccg actcggtcgt 300
 ttagctcaaa accctgaaca cgtcgcgact cagtaccgta nactcgctct tctcctcaat 360
 ccttccgtta atcgtctccc attcgccgat tgaactctta aaatcctctc cgatgcctgg 420
 ttctgtctcc c 431

<210> 11023
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-C4

<400> 11023

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gaatctttaa tcttacctaa cctccaatgg gtaagaagag cggttcttct tcttcttggc 120
tcaactgccgt gaaacgagct ttccgatctc ccaccaagaa agaacacaac aacaatgctc 180
atggtaatga agtcgacgaa gatgaagaca agaagaaaga gaagagacgt tggttattta 240
gaaaatctac gaatcatgac tctccggtga agacctccgg cgtcggaaaa gacgctccgg 300
ngcagaaatc cacagaaaca acgacgatna tcaaccaaac cgttttatcc tctgtttaca 360
agaacagagg gtacgacgca tctacaccgc cgggcaaccg tntcccgccg gatcgggaaa 420
ctcactctcc ntccgaaaaa gg . 442

<210> 11024
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-C6

<400> 11024

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tctgatttct tcgattgaga taaggagtaa atggcgacag atgatttttt tagcttgcag 120
agagaatatt ggcgacaagt ggcggaatcc gatggtttcg atattgagag tgttcaaata 180
ccaccatcta tgtatggaag gatcaatgga ctgattcccc acaactgtga aatcaatagc 240
ccgcttcctt accgtgtctt gggcaagcac tatgctaagc ttgggcttca tcgttacaat 300
atggtgaagg ggactaaatt cgagttcggc cgctaataa aattcaacat gttacaaaac 360
tgtgtggctc tttctacata actttggaag catacganta cngtgttcct ggcacatcac 420
atcctca 427

<210> 11025
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-C7

<400> 11025

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tgacgtgtac gtccgagtaa ccgggggaga agtcggagca gcgagttctc tagctcccaa 120
aatcgggtccg ctaggtctcg caccaaagaa gatcggagaa gatatcgca aagaaaccgc 180
aaaggaatgg aaaggattac gtgtaaccgt caagctcaca gtgcagaatc gtcaggcgaa 240
agtgacggtg gttccatcag cagcagcact cgtcatcaag gcgttgaaag agccggagag 300
agataggaag aaggtgaaga acattaagca taacgggaac atctcgtttg atgatgtgac 360
tgagattgct aagatcatga gacctanatc tattgctaag ggaattga 408

<210> 11026
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-C9

<400> 11026

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ccggagctga ggtttttaata caatgcaatt ccttatcaag cctcgtttct cgtcgttgcg 120
acgacggaaa atggcgaacg agaatgtttc cggcgagaaa cagagacttg cgtccatcgc 180
cgacgagaag atcctttttg tcggtgaaat ctatctctag cgaaccgaaa gccaaagtaa 240
ccgacgcagt tctcgattcc gaacaagaag tgtttattag ctcgatgaat ccgtttgcgc 300
cagatgctgc ttcggtagct tcgagtatca agtaccacgc ggagtttacg ccattgtttt 360
caccggagaa gtttgagttg ccaaaggngt tccttgcgaa tgggcaaagt gtaanagat 419

<210> 11027
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-016-Q1-E1-B10

<400> 11027

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acctcttcaa tctcggatgg tttcagcgac gacttctgag aaagatgtga aagctctcaa 120

gttcattgaa gaaatgactc ggaaccctga ctcggttcaa gagaagggtc ttggagagat 180

actgactcgt aactctaaca ccgaatatct gaaacgggtc gatcttgatg gtgtcgttga 240

tcggaaaaag ttcaagagca aagttccggt ggttacgtac gaagatttga agccggagat 300

tcaacgtata tccaacggcg attgttctcc gatcttgtct tcgcanccca ncacngagtt 360

tctcacaagc tcaggaacat ctgctggtga gangaaacta atgccaacaa ttgaagaaga 420

cttanaccga 430

<210> 11028

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-G2

<400> 11028

gagtaatgcc agatccgagg taacgcaagt cagtgcctta ctccggcggt natcactgaa 60

tccgattatg gctagtcttc ttcgacctt aatccttttg ctaatcgtgc aatcattttt 120

ggttgcgacg gctttcgggt cgaaagaagt tgaagaattc agcgaggcat tgctcttgaa 180

gcctttacct gatcgaaanag ttttagctca cttccacttc gagaatcgan ctctccgctc 240

aaactcccat ggccgccatc accatctctt cccgaaagct atttctcagt tggttcagaa 300

gtttcgggtc aaggagatgg agttatcntt tantcagggt cgatggaanc atgaacattg 360

gggaggattt gacctctat caagtatgaa tgcgaagcct gttggtgtgg anctgtgggg 420

ctgtgtttga ngttcc 436

<210> 11029

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-G3

<400> 11029

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gccggggcgtt ggccatatcc gagcaacaac ggcgtagca aagcttctcg ttgccagcga 120

caaccgcctc tccgtcactc tcatcgatcat tccttcacga gtctccgacg acgcttcttc 180

ctccgtctac acgaactccg aagaccgtct ccgtacatc ctctccccg cccgagatna 240

aactactgat ctcgatatctt acatcgacag ccagaaacca caagtaagag ccgtcgtgtc 300

caaggncgct ggagatgttt caacacgttc agactcacgg gctaactggg aattgtcgta 360

gacatgttct gcacgtccat gatagacatc gccgatgagt ttaacctctc ggctanatct 420

tctacacgtc caacgct 437

<210> 11030

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-G8

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ttcgatatgc tctcttcggc atttacgcaa acacctcttg tgcgttcgaa caaacccaat 120

ttgcttcttc taccaccagt tgcagactcc gtcaaattga ttcaagactt tcatcagtct 180

ctgatttctg ctactgagaa atttaaagga ttctccatt cgctcgctc taagaaccct 240

ctctttcagg aagcggttcg cctatcttcc gaatttcaca ttttgtgcga cgagattcgt 300

ttgagaaaca ctacaagggt gaggtttgcg atgtctaate acggatttgc agcggttctg 360

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ataaca 426

<210> 11031

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H1

<400> 11031

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cgggtgtatg aggttcgtat cacgtttaat attcgtgttt tggttattat aaatccagta 180

gatccgggta tgtctctact tttgttcaat tatttcgagg attaatagtt ctgctccggc 240

ggcctctaac aaggttatgt gttgatagct ttgttggatc tagatgtttc tttcgattta 300

gttgtcaaga cagttctgcg cctaagttag ctgggttaaaa gctcagtata ttgatgtttt 360

gtcctccata ctcgtgattg ccataatcgg tgagaaaaaa gaagatcgtt gttcggcttc 420

gttttccgac n 431

<210> 11032

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H2

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tttaaggaag gaatcatggc aggggggtgga gctccagnan ccaaagcaga cgaaccacaa 180

ccacatcctc ctaaagatca acttcccaac atttcttatt gcatcancag tcctcctcct 240

tggcctgaag ctattcttct tggattccaa cattaccttg tgatgcttgg gacaacggtg 300

ctcatacctc ctgctcttgt tccccagatg ggangtggat atgaagagaa ggcaaagggtg 360

atccagacta ttctctttgt tgctggcatc aacacattgc tccaaacact gttcggtatg 420

tanaattgcc tgccgttggt ggagcttcct anac 454

<210> 11033

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H3

<400> 11033

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taatgaaatc gcaattaaag acgctggaat ctccactaag catcttcgga tcgaatcgga 180
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tgctcttgat ccagagacgt cggtaaactc cggagatggc gatgttatca aactagggtga 300
gtatacatct attttgggtga attttgtgat tgatgatttt caggagaaga agcttacgan 360
gaacaatagg cgtcaggcta atgcgangaa nccaattaag gttttaaaaa gtacaanttg 420
ggggatatca ctgaa 435

<210> 11034

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H4

<400> 11034

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cgggtgtattg gaggggtcttc ggttcatgtg ctgtttccgg tttaagctat ggtggatgac 180
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aagcaaggat gaggttgaag ggaatgggga tgatgctcct actgtttata ccgtctttct 300
ccctctcctt gaaggccagt tcaaagctgt tctgcaagga aatgagaaga atgagattga 360
gatttgtttt gagagtggag ataaggcgtg gaaactaacc aaggaactca ncttggttaa 420
gttcaagctg ggaacaat 438

<210> 11035

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H5

<400> 11035

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acaatccgtg aaatcaaacc taagaacaga agaatcatgg gagctggtgg tccggaggaa 180
gaggagaacc ggtggccgcc atggttgaaa cctttgctta aagagcaatt ctttgttcat 240
tgcaagtttc atggagactc tcataagagt gaatgcaata tgtattgctt agactgcacc 300
aatggcccac tttgctctct ttgtcttgct catcacaagg atcatcgac cattcagata 360
aggagatctt cttatcatga tgttataagg gtgaatgaga tacaanagta tccttgatat 420
aagtggggat tcaaaac 437

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<210> 11036
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-H8

<400> 11036

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acgccaagaa ctttttgaac ttaaatacgt tgctattgga aatgaagatt gtgggaaaac 180
ttactacaga ggaaactaca ttgtgttcta tgatgctatc aagaaagcct atccagatat 240
caaaatcatc tccaactgcg atggatcctc tcatccactc gaccaccag ctgattacta 300
tgactatcac atttacctt ctgctagcaa tttgttttcc atgtatcatc aatttgatcg 360
cacttcacgc aaaagtccaa aggcctttgt cagtgaatat gctgttactg ggaaaagatg 420
cctggtacaa ggancctc 439

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<210> 11037
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-016-Q1-E1-A11

<400> 11037

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attagatgag aagggtcntt ggacaaggat gcgagttgct aaagttagcc ttgtgatttg 180
tccgttttgg tttttggcgc agcttacatt taatgtctct ctcaagtaca caacagttac 240
gtcaaatacc atattaagca gtgcatcaag ccttttcacc tttcctgttt cactaatatt 300
cctgggtgag aagttcacat gggtgaaact cctcaancgt cctccttgga angtctggga 360
ctaaaattgg naatatgggt gactcanagt ccaagtcaaa tgcagttagc taagaaccn 420
cctttgggaa aaaatccttc nctgg 445

<210> 11038

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-016-Q1-E1-A4

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ggttctgcta ttgctttggt aactgaaact gaagatgaga ttgctgatgc taaagctaaa 360
gcttctgggt ggtgggtggt ggtggtgant ctaangctcc tccgggcttc tcctcccaag 420
ggtgcaattt gaaagca 437

<210> 11039

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-016-Q1-E1-A6

<400> 11039

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gccaccagtg ttaatagctc cgttggcgat attatctacc gatatatcaa ctccacaaga 120
tcagcgctcg ctgtgattca gaaaactcgg caagtgacaa tccttgcctc atttgttgct 180
tctttttcat caagaggtcc caatccggga tcaatacgtc ttctcaagcc tgatatcgct 240
gcacccggga ttgatataatt ggcggccttc actctaaaga gatcactgac tgggttagat 300
ggtgacaccc aagttctcaa aattcaccat cctgtctggc acctcaatgg cctgcccnca 360
tgttgctggt gtagctgcgt acgtcaagt ntttcatccc ggattggacc ctgctgcac 420
aaatccgnc 429

<210> 11040

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-016-Q1-E1-A8

<400> 11040

gatttagatt tgaggactct ctgtcttttc ttatttcgga gaatgttctt tttctagggt 60
tttgaaattc taagagattt tctgaagaag aaaacaaaat gggtcctctt gtcgaagcga 120
ctgagttctc gaaagaacaa gcactcaccg acgctgcaga aaatctcctt aaacctcatt 180
tctcaactga tgcgactctc agtcttctcg aggtaatgga gtctctgctc gccactgtcg 240
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ccgctgatct tttgagaaac cctgattctg atgttagggt ttctgttgct tcttgcttga 360
ccgaaattat gaggattact gctcctgagg cccttacaac gatgagcaaa tgaaggacat 420
cttcaa 426

<210> 11041

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-G12

<400> 11041

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aagaaaataa agtgaaagat tccatggcgg taattgtgtg gtggctacta acggtggttg 180
tggtggcggt tctactcggcg tcggcggcag tagtagaatc aacgtgggag gttgagtata 240
agtactggtg gccggattgt aaagaaggaa tcgttatggg ccatcaacgg ccagtttcca 300
gggccaacga tagacgcagt cgccggagac acggtcatta tccacgtcgt caacaaactc 360
ccccaccgaa agtgtttgtt atccnattgg naanggcatt acgttcagaa aaggggactc 420
caatggggct ggaanggagc aancaagggt gtttaac 457

<210> 11042
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-D6
<400> 11042

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cttccgctat tccggcgcca gttaagagcg tagccgttca gcaaccgatc gatggatctc 120
cacgcgccgt tgctactgat accggaggta ttcttgagcc acttgccggt gttcccggcg 180
ctaagcttcg tcttatgtgc agttttggtg gccacatcat gcctcgtcca caccgacaaat 240
cgttgacgta ctccggcggc gagactcgta ttgtggttgt tgatcgacgt gcgtcactgt 300
cttcgctccg atctcgtctc tctagtatgc ttctcaacgg ccgggtcctt tactctcaag 360
taccagctcc ctancgaaga tctcgattca ctcgtcanca tcaactaccga tgaagatctg 420
gagaacatga tcga 434

<210> 11043
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-D8
<400> 11043

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 caacatggcc ctcggtggct tgatttcaaa tcggaacttc ggttccttca tcggctcagg 180
 caatggttgt cagagacttg gaaaaagtgg tgcagagggt tccaagcttt ttccaaatgc 240
 attgttgtgc cgtaatcatc aacctctgca agctagttaa catcatgaat cgggacacat 300
 gagaagaagt ttggatggtt tccttcaacc aagaatggac agtgtaatta ggttaggaa 360
 cagtatcaag atcaacagat ctctgctta ctacaaatca agaggancag atatcacgga 420
 aaggagttgt gcc 433

<210> 11044
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-D9
 <400> 11044

ctgttacgct tgcngtaccg gtccanaatt nacgggtcga cccacgcgtc cgctctcct 60
 tancctcttg naaccaanan gcatggatcg tgtggtcttc ttcttctca ncgaggnac 120
 gttactagca ggttctcncg gatctaccgt catctccggc gaggttaccg acggtttcgn 180
 taacccgatc aggcaagtcg tcccggagga gaacgatgaa caactcctca acgcagaaca 240
 tcacttcact ctattcaaatt ccaagtacga gaagacttac gcgactcang tagaacacga 300
 tnatcggttc cgtgtcttca aagctaacct aagacgagct ancgtaacc agcttcnana 360
 tccgtctgcn gtccaaggcg tcacgcagnt ctcaaacta ctcccgaaaa gaattccgcc 420
 gcangttttt aagantgaaa cgccnaaggt ttcgtcctcc tactgatatc aaaagggggg 480
 ct 482

<210> 11045
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-015-Q1-E1-E3

<400> 11045

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ttgacggaca ttatatctcc tctctttctc ttctataaat tgggcacctt tttccaattt 120
tacgcacagt cacggagata gatagtaaga gagagctatg gcggaggagc acttcgacgt 180
tctgactaaa tccggtgaga agaccggtgt gtccaaaccc aggggagagg ttcacagaga 240
tggagattac catcgtgctg ttcattgtctg gatttttgtg gagactactc aacagctact 300
tctccaactt cgatctgatg ataaagattc ttggcctggt caatgggaca tctctagtgc 360
tggccatata tcagctgggtg atacatcgtc tctatctgca cagcgggagc ttgaggaaga 420
gcttggc 427

<210> 11046

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E4

<400> 11046

aacttcnadc cgntcgcacg gtcacnaatc ccgggtcgac ccacgcgtcc ggggnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnntaat tcaacagtta aacatgatgg attttatgta 180
aatagaggca agttggagcg gatggaacct tcaacaacat ctaaccagca acccaaaaaa 240
cggcgacgaa aagattcagc aaaaccctgt cgtgatgcag ttgacgtatc cgataaacac 300
accaagttgt ctataacagc taggaaaaag gatcaatcaa ctgctcctgg gtcctggaaa 360
acacaggagt cacctttgcc ttctggagcg caagatgcaa atacttcagt acctctggat 420
gatgtgaagc attctgatag agcaaatcat cagtctagga atgatacaag tcacaaagtc 480
aagggaag 488

<210> 11047

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E5

<400> 11047

tagttttgtc ttcaaattct ggagctttga agctagatca tcaagttatc gaaatctttg 60
ttaggatttt aggtagagaa tctcagtact ctgttgccgc taagttgctc gataaaattc 120
ctctacaaga atatctcctc gatgttcggg cttacacgac gatctttacat gcgtattcac 180
ggactgggaa gtatgaaaag gctatcgatt tgtttgagag gatgaaagag atgggtcctt 240
cacctacttt ggtgacttac aatgtgattc tcgatgtttt cgggaaaatg ggtcgatctt 300
ggcggaaaat tctaggggtt ttagatgaaa tgagaagcaa aggattgaag tttgatgagt 360
ntacttgtag tactgtgctc tctgcttgtg caaggagaag gtttgttaan nagaggccaa 420
aggagttttt cgc 433

<210> 11048

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E6

<400> 11048

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gtctctcaaa cctcaggctc tcagctcaga acaatggcag ctaaacctgg agccgcaact 120
ccaacgtatt cacctaaaat cgtcgggaaga agtcgggttc ctatattcaa agattccgac 180
ctcgattggc ctgctctga tggccgtggc ttccaccaat gccgaccgc attacttcaa 240
actggtgctg tgagttctgc ttctggttct gcttatgctg agtttgggaa cactaaagtt 300
attgtttcag tatttgggcc aaggagagt aagaaagcaa tggtttatag tgatgtangt 360
agattgaatt gtaatgttag ctatacaaat ttgcttccc ctactcttgg ccagggaact 420
gatcacanag aatattcatc aatgcttcac aaagcattgg aagggtgaat tantgatgg 479

<210> 11049

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F11

<400> 11049

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atttggaat cggcgacaa tggtagaga tattgaagat gagattagag acgagaagaa 120
tctctgtcct cttgatgaag atgatatcgc tctcctcaag acttatgggt tagggcctta 180
ctctgcacct atcaagaaag tggagaaaga aattaaggat ctgcgaaga agatcaacga 240
tctatgtggt atcaaggagt ctgatactgg tttagctcct cccagtcaat gggatcttgt 300
atctgataag caaatgatgc aagaagagca acctctgcaa ggttgcgaga tgcacaaaga 360
ttataagtcc aaacactgaa ggacgcaaaa tactcataaa tgtcaancaa attgncaaatt 420
ttggttggtg gncctt 436

<210> 11050

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F12

<400> 11050

gcccacgcgt cgggaaaccc aaaaactccg gcgtctgttt accgctatca tcattcttcc 60
gggaagagga aaaggtttct tcatcgtcgc aagagattct ttggacaagt cccctccttc 120
ctggttcaat ctctgattca gctctctttt aatttttttg gttttgggaa gctgctatgt 180
tatttgagag gcttaccaag aaaccacctt cgcttggtga tctttgcgta aggaaagcga 240
ttgataatgt aaagtacatt ggatatgttg gtgggggtga ttttcagctc cttgagcaga 300
ttctgcaaca ctgtacacta ngaanagggtg aagcacatac aaggatgcta ctggacgaca 360
cagatctant ccaatcaccg ataaactttt gggagggaat ctaataanaa 410

<210> 11051

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F2

<400> 11051

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agataaatat atctaactaa ctccattaca tattccagtc atttgcttat aaattataac 120
cgtcacactt accaattcag tcacttaacc aaacatgtct gaaaaggggt tgataaaaaa 180
agaagaccac atgtttcaag aggagaagag aaagacaaac tatggagcaa ttggcttggc 240
ttgcttcatt tcttgtttct ttgcattcca attcatgaaa atcgtaacaa cacaaccttc 300
aacaacaaca acatcatcca ttgccgttat cgatagccca atgtcctccc ataagctatc 360
tgataggaga gaaatatgga gagttatccc accatctanc tattgtctca aaatcgaatc 420
ctttcataaa a 431

<210> 11052

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F3

<400> 11052

ggagctatca aactccagtc aatggcgatg atgacgacga cgacgacaac attcttccat 60
ccactacttc ctgctaacac ttacaaatcc ggagctgtag cttcttcctt tgtctcagtt 120
cctcgttcgt cgtctctcca atttcgctca cttgtgtcag attctacgtc gatttgtggt 180
ccaagtaagt tcaccgaaaa aaacagaaga gtatcgggta ccgtttccgc cgccgcaaca 240
actgaacctc tcaccgtcct cgttaccggt gccggtggaa gaacagaaat tgaaggagag 300
gtcggagcag ttcgtggcaa ggggtttagt gaggacnaag gagagtaagg agaagatcaa 360
tgganaggat gaantattca ntggagaata ttagagatnc tgcataatt tgctcctgct 420
gtttaaagggt attgatgct 439

<210> 11053

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F4

<400> 11053

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ggcgaaccgg ggactcaact aacattaaga acttttcata cgggcggagt atttacagga 120
ggtactgccg aacatgtacg agcccccttat aatggaaaaa tcaaattcaa tgaggatttg 180
gttcatecta cacgtacacg tcacgggcat cctgcctttc tatgttatat agacttgtct 240
gtaattattg agagcgaaga tattatacat agcgtgacta ttccaccaa aagttttctt 300
ttagttcaaa atgatcaata tgtggaatca gaacaagtga ttgctgagat tcgcgaggga 360
acatacactt ttcattttta aganagggtt agaanaatan attattctga ctcaagaagg 420
cgaaatgcac tg 432

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<210> 11054
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-F9

<400> 11054

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gatacatgca caccattggt tggcaaacat aaagttcttc tcaatggaga ctgggttgga 120
ttatgtgcag attctgaatc ctttgtcgcg gagttaaaaa gcaggcggcg ccaaagtga 180
ttacctcgtg agatggaaat caagcgagat aaagatgaca atgaggtaag aattttcact 240
gatgctggta gactactccg acctctcttg gttgtggaaa atctccaaaa gttgaagcaa 300
gaaaaacctt cacagtatcc ttttgancat cntccttgac catggggatt ctznaactga 360
tcgggattga ggaaagaaag aagactgtaa tacagcaang gggaatcaaa caagctttct 420
gaaaggaacc aaaagatatn c 441

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<210> 11055
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-G10

<400> 11055

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gcntccgaag aatggcgacg aaggtgagtt tggaagggaa gagagtgggt ttggtaccgt 120
acatggcgga acatgtacca aagtaccatc aatggatgca agattcggct cttcttgaag 180
ctacgggatc tgagccgttg agtcttgagc aagagtntga gatgcagctt tcttggactc 240
aagatcccaa taagcggact ttcattgtct tggacaagga tttcgttaag ggagacctgg 300
ctcatggcca acctcatgta gaagcaatga caggtgatgt tgaacattta catgaatgat 360
gtggatgatc canaggggtg cagaagttga nataatgata actgagccca naagccgtng 420
gtaanaggac taaggaaagg aatctgttgt tgataatgat ggcttaatgt gtcaagnaac 480
ttggaggatt cacaagntt 499

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<210> 11056
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-015-Q1-E1-D4

<400> 11056

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gatgttgaga tagaggatat ggagtggaac gaagagattc aagcgtacac gtatccttgt 120
ccttggtgtg atttggtcca gattacgaaa gaagatctcc ggctcggcga agagatcgcg 180
aattgcccaa gttgttctct ttatatcacc gtcatttaca atatggaaga ttttcaaaac 240
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tcatggaatt gattagaaga ttgttcaaca accactgcag aagagattta tctgctgttt 360
tggaagca tatgaaagtg tgttacatta accacatata gagagaagga aagagaatgt 420
tgtgttactg atttata 437

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<210> 11057
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-H11

<400> 11057

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ttcaagaaag atgatccagt actcgacatg gtcgatagag agatcctgaa acgtggacgt 120
tacagagtca ctccctggcgc ttggtgctcg agccacagta gctgggtggac agatccttgc 180
tcggagtggtg atgaagtaaa cattgtcaaa gctggacctc aagctaggaa gctagacgaa 240
ncaataangn aattttcctt gatgattttg atttccanat ccgattcaat tgcaaattga 300
ttataccgac cacaacgaaa acnnnaattg ggttttacat ccccccggtt aanggggttaa 360
aatnctttgg ggaaanaaan caaatngggt ggccgtattt 400

<210> 11058

<211> 691

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-H12

<400> 11058

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taaatacccc cctttccctt tcctttcccc caaatggggg cctggccttt tcaaaagncc 180
tttcgggtcc ctccctcggg cctcctcctc cctttcctt ttcaaaaccc ccctaaaaaa 240
atcctccttt ccccttttcc ggggggggtc ctcccaaaga acccttggcc ctccngttt 300
ttccctcct ttaatectcc cctttccct cctcccttta aaaactcaaa ttccngaac 360
tcccgtttc ccttctcca atcgccggc ccaaaaatgg gaaactctc ccccggttc 420
tccgctttcg cccggttaaa cggtttgcga attaantca agaagtttcg gaanggtggg 480
aaaagaaaga tgggnttcg cctgganggt ccggctccc gcaaaaaaag gaagcaaadc 540
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ttcaaacggt ttggacaagt tggctnaag cctccggcct caaaagcctt cttttggaag 660
aaagntggcc cgggggaaaa atggnttggg a 691

<210> 11059
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-H2

<400> 11059

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 cttagggttc cggcaagaaa ccaccgtatg acacacttgg ttgtttgcgg cgtttccaca 120
 aaacgccacc accgtgaaat caatgcactc agcagtaata gtgggtccatc gttggattcg 180
 gtcccaacaa gaaccgacaa gaggcagttt ctctcgtggtg acggtaacgg taaattcggg 240
 aggttcggtg ggaagtttgt accggagaca ttgatgtctc gcctgataga acttgaagac 300
 gaatttaact ttgttaggtg cgatcacgaa tttcaggagg agcttaccac agcgttaaga 360
 gactacgtag gaaagagaaa cgctctcta ctccgccgaa cgtctaaacc gaacactaca 420
 agaacatagt tccaaccatn cga 443

<210> 11060
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-H3

<400> 11060

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 tgtttctagg ctttgtttat ttgtctctaa agtttctgga ttcaacttct gaagaagata 180
 gtagtagtcc acaagaagga tcttctttac caagaaagtt gatttggtca gagccaagga 240
 agatgggtta catgtgtgac gtctgtggtg aacaaaggat ctangngta ctggtcgatc 300
 cgatgcagct tgtttgtgtc tctccctgtg accgggagtg ttcantccgc taaatgcaan 360
 tgtccanaac gacattctcc ngacactgtc tggcgagaag atgcaantgc tcaacctg 418

<210> 11061
 <211> 471

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-H4

 <400> 11061

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 tctctttctt tctctctgat angcaacaat ggcgagagg aagatgattg tgtttccac 180
 caagaatgaa ttgtccgaag caatggctga gtacactgcc aatctctccg ccaagttcat 240
 caaagagaaa ggncttttca ccgttgttct ctccggcggg gacctaatac attggctctg 300
 caanttgggt caacctcctt atattgattc aaatcgaatg gncaanatgg cacgtctttt 360
 gggtcatgag aggggtttgt catgggaaag atcaagacan ttactacaaa ctgccatgg 420
 aggggtttct ccnaaagggt ccgaattccg ggataaagaa catctaanca a 471

<210> 11062
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-H8

 <400> 11062

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 aactgcaag catatccatt gatgatcaat ctgatggaga gaaactttcg ggatgtttac 180
 cttctacttc tagttttaag antgaagttg gtggattcta tgtctcacgt tactcctgaa 240
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 gccagacat cattaagttc gaaatggtag atgttcaagt cccaagggca gtctctcaaa 360
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 ccanaacntg ttaagcttga tctaa 445

<210> 11063
 <211> 485

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-A1

 <400> 11063

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 tatggacagg ttctgttaag gaaactggag attgtgatcc agagaaaggt tacaaacctg 120
 gagttcaaga tgaggctttt gaagctgaag ttgagacatt gggtaagatt aggcataaga 180
 acattgtgaa gctatgggtg tgctgttcta caagagactg caagctcttg gtttatgagt 240
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 ggcaaacgan gtttaagatt atcttagatg cggtgaggg gctttcgtat cttcaccatg 360
 attctgttcc tccgattgtg catagaagat attaagtcaa acaatatttt gatcgatgga 420
 cattatgggtg caagagtttg cctgaatttg ggtgtggcta aaagctgtcg acctgaaccg 480
 ggnaa 485

<210> 11064
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-A10

 <400> 11064

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 gaccgagaaa attggatgag tgaggctgag gcatgtgaga gagttggatc tgtcgctaca 180
 tgccaggcca ttattaagaa cacaatangt attggagtgg aagaaganga tagaaagaga 240
 acttgggttg ctgatgcaga tgagtgaag aagaggggtt ccattgagac cgcaagagca 300
 atatacggcc atgcnccttag tggatttcct tgaccaaaga aaaanttatc tgggcttaaa 360
 agcggcgcaa ccttngagaa agaagcccat ggggaagtcc cgggaagtcc ccctttgaat 420
 ncccttggtt tgccctttaa nggcctgta aacaataatg ttcccccgcc aaanccctga 480
 aaggtttcct cctggggctc caatgggggt gcccaaaa 518

<210> 11065
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-A11

 <400> 11065

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 tnactngtgt ggacgcgttt gaaggagaaa ggtcaaaggg atctgaccc atcactttcg 120
 ctgggaaaaa cagcaaatcg aaggaagaat caatcatggg tttcatcgga gaaactgtag 180
 attccatcaa atctatcaag atccgtcaag ttctcactca ggctatcact ctccgtatga 240
 tcgttacatc tgcattgata atttggaagg cattgatatg tgtcactggc agtgaatcac 300
 cagtggttgt tgtttctctc gaaagtatgg aacctggctt tcagagagga gatatatgtg 360
 tcttgccgat gactgatgag cctattcgag caggcgagat tgttgtgttc aatgttgatg 420
 gtcgtgaaat tccattgtt catccagcaa tcaaagttca tgagagaa 468

<210> 11066
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-A2

 <400> 11066

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 tccggtaacc aaagcttccg tatcgccgcc gcagcttcca cctcccgttc tccccatct 120
 gccacggatg tcaagagaag tgacactgaa tcgagatggg actcatcttt aaccaatgga 180
 caatctaaga atantgggtc atttgctcaa ttgaacatga aaaccaattg gtttatggga 240
 taccggaacg aatccagtgc agcagcatca gattcttcc cacaagctcc tccaccggct 300
 gagaaattcg agtatcaagc tgaagttagt cgcctcangg accttattgt caacagctta 360
 nacagcanta atgatgtgtt tcttcgggaa gcttattagt aatgcaaagt gatgcatttg 420
 gataagnnnt cgttatttgn agcgttacca nncctganc ctctcaaaag gat 473

<210> 11067
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-014-Q1-E1-A9

<400> 11067

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gggagggttac tggattcact tctgatgtaa gagagcagat atacaaaatg gcttctgtga   60
atctttgttc caacatctct ggtcaaattc ttgctagcct catcatgagc ccaccaagc  120
ctggtgacga ctctatgaa tcatacatag cagagaagga tggaattctc tcattcttgg  180
caagacgtgc aaagactctt gaagaggctc tgaacaagct agagggagtt acatgcaata  240
gagcagaagg agctatgtat ctattccctt gccttcacct tccacaaaag gcaattgcag  300
ctgctgaggc ggaaaagaca gcaccagaca atttctactg caaacgcctt ctaaaagcta  360
ctggaatagt cgttgtccct ggttctggct ttagacaggt acctggaaca tggcat    416
  
```

<210> 11068
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-014-Q1-E1-B1

<400> 11068

```

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cgacgacacc caaatcctca caaatatata attattaatt taagcttctc tgtcaaaata  120
aaaaggagtc atgacgactc tttcttctat aaatctctct atacctctc atttgcttcc  180
tagcacgact aacacttggt cttcttcctc tgcaacctct tgttctctc ccaggctctc  240
ttcttttggt cttcattccc ctctttcgtt tggtcaccgg agattacca ttagcaagaa  300
aagcaagctc cgcttctgtg gagtgattac aaaggaaagc tgtttctggg tccaacgata  360
tgactaatta ctcaagtcag agaagatgac gaatcggaga ttgatgcgcc ggttctcgat  420
cctggagtcg gctctnctaa gcctaaggag aaattgctcc    460
  
```

<210> 11069

<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-B7

<400> 11069

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tcataccgac ttttctcagt tcggttttcg ccgtttcacc actcaaaact gatacgtaa 120
aaccggggca gcagctcaga gactgggagc agttgatctc tgcggatggg atcttcactc 180
tcggattctt tacacctaaa gactcatcta ctccgaact cgggtcagct ggtcttagat 240
atcttggtat ttggcctcaa agtattcaa taaatctagt ttgggtgggt aaccaaccg 300
aatcagtttc tgattcatct ggttctctat ccattgacac canatggggg ttctaaagat 360
aacacanggc aanacgctat tccaatcttg gtgaaaccaa agaccagccg ccgcagcttt 420
cattgggtcg ggaaatgtgt cggcaatttt antcgatacc ggga 464

<210> 11070
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-G9

<400> 11070

gcnctctctg tgtgtcttct acaaagacca gatctctcat ctgtgttttg ttggtttatc 60
tcgaccaaag cccacacgtc acgttacgtt aggttacaaa acaagttttt tcccttataa 120
aaaaaacatt gataaaatcg aaaaatcaat tcctatcttg tttccaaagc aaatctatat 180
atctattacc catctcgaat tcgaccgaac ccatgttcta atctccttcg caacattgga 240
aatctatctt aaaaatccgt tgagatatag ttatataagt agtttggtga cncatttagg 300
ttacacacaa agacatggga ttgntgggtg tancgagttc tcctcctgat gttgcgatct 360
cagcttttgcg tgaagaagca tganaaa 387

<210> 11071
<211> 486
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-E7

<400> 11071

ttgttttaggc ggnctgtaccg gtaaganaat tcccgggnen acccagcgt ccgaaacact 60
ccgcgcgaatt tttacccttc tccactgggtc atccgcgttt tttttccggg tctaagggtca 120
ccggaaaaat ggctttccgg cgagtgttaa ccaactgtaat cctcttctgc tacttactaa 180
tttcatctca atccattgaa ttcaaaaact cccagaaacc ccacaagatc caaggaccaa 240
tcaagactat agtcgttgta gtcattggaga atcgctcctt cgatcacatc ctcggttggc 300
tcaaactgac ccgacccgaa atcgacggat taaccggcaa agagtcaaat cccctcaacg 360
tctccgatcc aaattccaaa aagatcttcg tctcagacga cgcggtcttc gtagacatgg 420
attcgggtca atcattcnan gcgatccgag aacaagatat tcgggtccta acgatacaat 480
ncggcg 486

<210> 11072

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-F1

<400> 11072

gtatnctggc cgcaccgggtc cgnaaaancc cgggggtcgac ccacgcgtcc gatcaantcc 60
cctttttgac taaaattccg cgacttgggc tttgatccat tcccagtga tctcactgct 120
tttctcacag aaaaaaatca ctctttttc ctggattttg ttttctcgac tgatttgggg 180
aaaagctatg gtggtctgat taatctctgt ctgtctttgg tgagatgggt ttggatgctg 240
ttaaagctaa agggaattgg aaatcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
ntggttgctg ggtcaaattt angtttatga ttggttgcat accttcaaaa tcagaccttg 420
atgcttctcc tctctatcc taaggctcct aactgcactg ttacaacaat gggaaagtaa 480
atcggcgaat gagaaaat 498

<210> 11073
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F10

 <400> 11073

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gatcagcaca tgtgatgcag ttcaagtggc ctgatttttag gattcttgat cgtgttagca   60
ttgggtcatgg cggcagggct gatgagcttg tgtttgaagc tatagttcag gttccagata  120
gcccttttgtt taaccaagga gttgttcttc ggaaattgaa taccactcga gctcaaagac  180
gaggaagaag agctatagaa gtttttaaga agctagtctg tcggagactt ctctaccatt  240
cttactcaat gcaagttcac gggtatatca ccaataactt aagcgatgat cagtactcat  300
ttacccttgt acatgggtgc catggaagtt tctcgattag gcactggctt caacaatctg  360
attggattcc aacattagna gctactcttg cattanctga agaatcc                    407
  
```

<210> 11074
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F2

 <400> 11074

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gctctcagat tcttgatttt gatcagttat ggtggctttc cattgtcgct gcggtcatgt   60
cttttgctta ttctgccatt ggacttggcc ttggtgtctc taaagtggta gagaacaaag  120
aaattaaagg tagtctcact ggagtcactg ttgggacagt gacactgagt gggacagtga  180
catcgctcga gaaaatatgg agaacatttc agtctcttgg caacattgag tttgcgtact  240
cttactcgat gattctcatc gaaattcagg acacggtgaa atcaccgcct gccgaagtaa  300
acacgatgag aaaagcgact tttgtaagtg tggcagtgcac tacagtcttc tacatgctat  360
gtggctgtgt anggtatgca acatttgggg ataacgcacc cggaatctc ctcgctcatg  420
gagggtttan aa                                                            432
  
```

<210> 11075

<211> 493
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F4

<400> 11075

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caagaacttg ctcatctctc aaagcatcca cacataatca cgatgaagct ctttgttcat 120
ctctctatct tcttctccat cctcttcac cactctccat cttcttacag ctgcaccgaa 180
aatgacaaga atgccctcct tcaaatacaag aaagcacttg gcaatcctcc ctttctatcc 240
tcctggaacc cccgaaccga ctgttgtagc ggctggaccg gcgtcgaatg cactaacgct 300
cgcgttaccc gtctcagcgt tacctccggc gaagtctccg gtcagatctc gtaccagatc 360
ggcgacctcg ttgacctccg tacactagat ttcagctacc tgccacacct caccggaaac 420
atccacgcac catcaccaaa ctcaagaacc tcaacaatct ctacttgaag cacatagtct 480
ctccggtccg att 493
```

<210> 11076
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F5

<400> 11076

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gggaagattt gatcggacga ggaagctgag aaaaaaaca aaacgacaag agattcattc 60
aaacttgac gccaacgccg gattattccc ggtgtatacg tattttatac ggttctatct 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatttt aaggaaagag tttttgtttg 180
aattggaatg gaggggtgtt tcttaaaaat gtcggtggtt ggagtatctc cgatgatacc 240
ggtgggacct tcttctttca tatgcgcat cggaggctct gttgaggaga aatcaacggc 300
tgcttctctg ccgcgttggg tttcccttcg tcgtcttcgt ccgcttgagt ttctcggat 360
cggtggtgaag agaanaggaa aagggaacgg taagagacga cnaccggttt ttgttgaga 420
gaagggaccg gaaccgcaac gaaa 444
```

<210> 11077
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F6

<400> 11077

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 gtcacgtctt tctcagctct ctcaatttct tcccagattc cccaacgcga ctagattcaa 120
 tgtaactcca cggagcagag ccgccaccgt cgtcgaggca tccgtcancg anctagccgg 180
 ggtcgacagt acaacaatcg ccgtactcgg tggaggatcc gtagcancac tcgcggcgat 240
 ggtttcctta acggatccgg agaggaggcg gaaattgcag gcggangaag ttggcggagg 300
 cgataaggaa ggttgtgagg gagtatttca atagcacggg gttcnagaag gtggaggaag 360
 atctacggtg agactgatga agtgaatcna gtacagg 397

<210> 11078
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-F8

<400> 11078

 gaaaaaaaaat atgtannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccgctggacg 120
 tcgaaacaac ctgcctcgtc caaacctcag aagacgatgt aaggtcaccg cttcacgggc 180
 taatattgaa caagaaggta acacagtga agaaccatt cagaatatta aagtaaaggg 240
 atacataacg gccaagaag agtttctgga gggcataact tggtcgagag gtctcgatga 300
 cattgctgat atccgcggca gatcattgct cgtcgagctt attagcgcca agactgacca 360
 gcggattacg gtagaagact acgcacaacg tgtatgggcc gaagcccctg atgagaagta 420
 cgagtgcgaa tttgagatgc ctg 443

<210> 11079

<211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-013-Q1-E1-F9

 <400> 11079

 atctaccaac aaatcctcaa ctcttcttc ttactaata gtataccaca aaacctcaaa 60
 attgtaattt attagattat cgtgatggcc ttagctaaag agttaatggg ttatcctctc 120
 atcacagaaa ggtcatcact tgtctcgtcg gcgtcgcatt tcaagaagag gacacagtca 180
 acacagttct cgatcaaccc ttttgaccgg agaccaagaa aaaccaaadc cggcgtcgtt 240
 gcagccatca gcgaggattt ggtcaaaacg ctgcgttttt ccacaacgac cggagacaga 300
 aagagcgaag aggaggagaa agcggcgggtg aagttcaagg tgagagctgt gggtactgtg 360
 aggaacaaga acaaggagga tttgaaagag actcttggtta agcatttg 408

<210> 11080
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-G1

 <400> 11080

 gctagatggc acgagcactt gcagtgtctg tgtctgaact tccatgggac gagttactgt 60
 tgcttcggtc aagaactttc agctggttgc gaccgttgac caaagtcaac cgagcggtaa 120
 aggcgatgaa gaaacagttc ttctacagtt tggtaaagtg ggagatgaca ctttcactat 180
 ggattataga cagcctctct ctgcatttca ggcttttgct atctgtctca caagtttcgg 240
 cactaaactt gcctgcgagt gaaacccaac anaaggcaac agaaaagaaa aagtgaactg 300
 gctttgcaaa aatgtaatgt tttgatgtat catgtgtaag tgtaacaca aaggtatgtg 360
 gaaagggaga agcacataag tattaatatg tangaaacat tatttaaacc cataatcata 420
 atgtatctct aagttaaaaa aaaa 444

<210> 11081
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-G10

<400> 11081

gnacacgcgt ccgcaaaaac cctagaatat cttanagctt cgcttcactt tcaagctcga 60
gactttgaga aagatgcctc cgaaagccaa agctaaagat gcaggtcccg tagagaggcc 120
tattcttggc cgtttctctt ctcacctcaa gatcggaatt gttgggttac caaatgttgg 180
aaaatctant cttttcaaca ctcttacaaa gctttcaatt ccagctgaga atttcccctt 240
ttgtaccatt gagcctaatt aggcacgtgt gaatatcccc gatgagaggt tcgattggct 300
ttgccaaact tacaagccta agagtganat tccagctttc ntggaaattc atgacattgc 360
tgggcttggt agangagctc atga 384

<210> 11082
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-G4

<400> 11082

ctgttcttct gncgccacg gtccgaaann cccgggtcca cccacgcgtc cgcntctcgt 60
cgatgccaag tttggcgcag acttcgaagt ttatggccgt ggttgatact ttgtcgacgc 120
attcgccgga tgaggagtat attggagaga gacaacagcc gtcgatttgg acaggagatg 180
cggagattgt tgaagcgttt tatggatttg cggcagagat cggacggata gagaaagaga 240
ttgagaaaag gaacgctgat cctgaccgta gaaatangtg tggggctggt gttttgcctt 300
atgagttggt ggttccgagt tctgancctg gtgttacgtg tagaggtgta cctaatagtg 360
tatccatata attaagaagg aaattattta taagaaaaaa aaaanaaaaa gggcg 415

<210> 11083
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-013-Q1-E1-G5

<400> 11083

caacaaaacc acaaagacga ctctcttcag agagttttga gaggggtgaga gagccgtgct 60
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 tgatcaagag tctcttggat ttgtgcttct gtacttctta agaggaaggt cccgcaagat 180
 accatcttct caaaagtcca atcaatctac gcttttcaat tcgccacgtc acagaatcct 240
 gaccgttaga taaaaacgcg ccaactcggtt tgtacccagg cggaaaatga ctatattacc 300
 cttattcatt atcatcttta tccatttgac ggtaaactaa aattctctct cagggtcaaac 360
 tttgctttct ggtacggcgg cgatgtcgac gatttcgac atcgggactg agactcctac 420
 gaatcactca ggctcgggtca c 441

<210> 11084
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-G8

<400> 11084

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 cctgcaacta cactgggtga cattcaaaat ggaatgaaca agaccgttc agcgacaaat 180
 ggaatattcc gtggaacaca agcagcaagt ancgggtgga acgcactcca atatgagttt 240
 gggaagccta agggttctct ttccagaagc atgcatgatg agttgggtac ttcttctcag 300
 gacgctgcaa aagctgttcc ctattctttt ggaggggaaa ctgcaaactc ccccaaacca 360
 ncatctcact cactgggaaa taacaaaccg gtacttccat cgatntcagt agccaaagcc 420
 cttccaaaaa tgggcaatcc ctcc 445

<210> 11085
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-E11

<400> 11085

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acttcacttt tgggtgataa agcatagttc gttgggaact tttttttaca gctttggagt 180
aactaccttt catgggtttt ggttccaaca atgggggtcaa aatcatttgg aaatctatta 240
gacttggcct ctgggggatct tttggacatt cctcagactc cgagatatct tccaagagtg 300
atgactgttc ctggcattat ctctgacgtt gatggatatg gaattagtga tggcgattca 360
gatgtcattt cattaccttg ccgtgagcgg aaaatcattg tggccaat 408

<210> 11086
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-A4

<400> 11086
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aaagatcgaa cctttcgatt tcagtctctt cagagttctt tcgttttcat cgaaacaatg 120
gcgaagaacg ttgggatttt ggctatggat atctatttcc ctcccacctg tgttcaacag 180
gaagcttttg aagcacatga tggagcaagt aaagggaaat aactatttgg acttggccaa 240
gattgnntag ctttttgcac tgagcttgaa gatgttatct ctatgagttt caatgcggtg 300
acatcacttt ttgagaagta taagattgac cctaaccaaa tcgggcgtct tgaaagtagg 360
aaagtganga ctgttatttg acaaaagcaa gtccatcaag accttcttga tgcagctctt 420
tgagaaatgg tggaacact gatgtcga 448

<210> 11087
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-013-Q1-E1-A7

<400> 11087
gctgtctctc acttcttctt cctcacggcg gcgacaatgg cgacgttcac tcatcaaacc 60

ccacaaaccc atttcctctc tcgccttcct ctcagagcta aacctagaca cttctccgca 120
agagtcaaaa tgtctctcca agaatctgcg ccttcactcg ccgtcgttgg cgttaccgga 180
gccgtcggac aagaattcct ctccgtctta tccgatcgag acttccctta tagctccatc 240
aagatgcttg catcgaaacg ctccgcaggg aagcgtgttg ccttcgatgg ccatgaatac 300
acggtggagg agctcacggc ggatagcttc aacggtgtag acatagcttt gttcagtgtc 360
ggtggatcca taagcaaaga gtttggctct ctggcggcgg agaaaggaac cattgttggt 420
gataatagct cggcttttag aatg 444

<210> 11088
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-B5
<400> 11088

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tgagatgggt gaggttatct atgacaaagt gactggccgg agcagggggt tcggatttgt 120
gacaatgtca accgcagcgg aagttgaagc agcagctcaa cagttcaatg gctatgaatt 180
tgaaggcaga cctttgagag tcaatgctgg ccctcctcca cctaaaagag aggaatcctt 240
ctccagagga ccaagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nacggttctc aacgtantgg tgggtggttac ggagggtctc aaanttccag ttatggttcg 420
gggtcagggt ccggttcn 438

<210> 11089
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-B6
<400> 11089

ggaaaagggt ttaagtgttc aagtgaaagt gcagcagcaa caacaacctc ctccagcatg 60

gcctgggaga gctgtccctg aggcgcctcg tcaatcttgg gatggaccaa aacccatctc 120
tategttggg tctactgggt ctattggcac tcagacattg gatattgtgg ctgagaatcc 180
tgacaaattc agagttgtgg ctctagctgc tggttcgaat gttactctac ttgctgatca 240
ggtaaggaga tttaagcctg cattgggtgc tgttagaaac gagtcactga ttaatgagct 300
taaagaggct ttagctgatt tgggactata aactccagat tattccagga gaacaaagga 360
gtgattgagg ttgccccgac atcctgaagc tgttaccgtt gttancgaa taataagttg 420
tgccgggact aaaacctacg ggttgc 446

<210> 11090
<211> 447
<212> DNA
<213> Arabidopsis thaliana
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<400> 11090

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atgatggata gtgcatactt cgtcggaaga aacgagattc tgacttggat taatgatcgt 180
cttcacctca atctctctcg cgtcgaagag gctgcatctg gtgctgtgca atgtcagatg 240
cttgatatga catttccagg agttgtgcca atgcacaagg ttaactttga tgcaaagaac 300
gagtacgata tgatacaaaa ctacaaggtc ttgcaagatg tgttcaacaa gctgaaaatt 360
acaaagccat tggaaattaa cangcttgtc aaaaggccgg gncactggat aacttggagt 420
ttccgcaatg ggctgaaacg tttccgg 447

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<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 11091

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 ttctacatcc ctacgtacgt cctctcggcg gaaacagaag aggaggagga ggaggagagt 180
 cgtcctacac ctgcgagccc cgtccttgct ttcattcaact ccaaaagcgg tggtcagttg 240
 ggtggcgaac tcattctcac ctaccgatct cttctcaatc acaatcaggt ctttgatctc 300
 gaccaggaga ctccagataa agtgctccgc agaattctatc ttaacctgga gaggtcaaaa 360
 gatgatgatt tcgctcgtca gattcgggag aaattaaaaa tcantgttgc aggangtgat 420
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<210> 11092
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-013-Q1-E1-C11
 <400> 11092

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 acgtcgtttt aagcgcacaaa caaaggaaaa agactgacgt ttatacatat taaatactgg 180
 tttggagttt tgccttttgg actcagaaaa ctcaaaagag agagagagac atttctgtat 240
 cttatcgggt tttgtgttgt cagaaagaag ctcaaggaca aaaaaaaaaag caattatttt 300
 tagggttcaa acgaagcaaa atttggaaact ttcagaagtt gtgggtggtg gcttcttgaa 360
 caataaagct ttttcttaga ctcttcttcc aatttgtgac tctacctat ctc 413

<210> 11093
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-C8
 <400> 11093

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 gtcaccagtc agcgaaaagt acggaacgat ttggaggaaa cattaccaaa accatacatg 180

gcaagagcat tagcagctcc agatacagag catccgaatg gaacagaagg tcacgatagc 240
aaaggaatga gtgttatgca acaacatggt gctttcttcg accaaaacga cgatggaatc 300
gtctatcctt gggagactta taagggattt cgtgaccttg gnttccaacc aatttcctcc 360
aacctttggg ncctactcat aaacttagcg ttcagctacg ttacacttcc gagttgggtg 420
ccatcaccat tattgccggt ttata 445

<210> 11094
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-D3

<400> 11094
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aaaccgtctc attggtagaa ttcctgccga actggggact ctgcaaaacc ttcgccacct 180
agatgttggt aacaaccatt tgggtgggaac tatacgggag ctcatccgtt ttgatggaag 240
tttcccagct cttcgcaact tgtacttgaa taataactat ttgagtggag ggattcctgc 300
tcagctgtca aatcttaca acttagagat tggtttacct gtcttacaac aaatttaatg 360
ggaacattcc ttttgccatt gctcatattc ctaaactgac atacctgtac cttgatnaca 420
accaatttan cgggagaatc c 441

<210> 11095
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-D4

<400> 11095
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atgtggnttc ganatttgta tgcnagggtg tctccgacgt tgaaccacaa ggattgantc 120
ttaatgacaa ctattgcaag cctctttcag gttgtgttgc acggcgtagt gaatatgcaa 180

gttgccgaac cantggttgt ggganatggt ggatgagttt gtctaccagt tccaaagttt 240
ctgtcaattc anagcaaagc tcaagaacaa aacagaggag gagattgcat tgctcagaca 300
gcacnataag gcctggaatg tctatggcgt gctcaacttc ttgcaagcac ttgtggagaa 360
gtcttgntc atccagatcc ttgagcatga caaggatngc cttgagttca ctgagactga 420
tggtacnat ttcagcgggtg gcaacaacgt cctgaaggtc ctcggttact cacaatggcc 480
ngcccccttgc ctgtca 496

<210> 11096
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-013-Q1-E1-D5

<400> 11096
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cgcatttttg ttcatcaaat cattccatta tattgatgga attcgtttat catccaccgt 120
cctcaacctt tcaaccgccg gtggtcaact tgaacgagtt tggatgaagca aatcggaag 180
tactgtgaac caaatcagag attggtgtga agccatggtc caatcgcttt ctaaaggat 240
gaatctaacc gtttaattag acatcaccga agaaactcgt cccctttccg acggtgctca 300
acatctgcga cttcgatgaa ctaaatacaga gactttgatg aaccaaatacg ttttctgaag 360
gtatgatgct atctgtttgg tgtgtggttg tttgatttgt ttctggagat ttaaattctg 420
ttgatgtgat tgaactttga aa 442

<210> 11097
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-013-Q1-E1-D6

<400> 11097
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gattcaataa tgcagattcc actccacagc aaacaaatgg cgaggacggg gaaaagcata 180
 tgggtageaa ttcgggcaag tcagattatg aagctccaat acaagtggtc aatcatgaga 240
 aattactgtt cttagtcttt tcgttaattc agaaacttgt tgatgacgaa cgaccagagg 300
 tcaggaattc agctgtcagg acattttttc agattttggg aagtcatgga aacaaacttt 360
 caaaaagcat gtnggaagga ttgtccatgg aactatatcc tccaatgttg gatggcgcct 420
 ctcacaaggc tgcaacatc 439

<210> 11098
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-E1

<400> 11098
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 tcaaaccaaa aaaaataaat gggagaggaa gannnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnacaagaa agtggatgct 240
 gagaaaaaag gagaagattc tgacaagaaa gcctcaagaa ngagaatcta acaaagattc 300
 caaagaagat tctgtctcgg cggcgctga ggctccagca ccgcctcctc cgccgcaaga 360
 ngttgttcct aagggtttaca tgactgtga angatgtgct anaaaaatcc gcccgttgtc 420
 tcaaaggctt cnaaaggagg tngaaagatg tnatgaccgn nttttaaacc ggggaaaatt 480
 gtggggggaaa ggngagaaaa c 501

<210> 11099
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-E10

<400> 11099
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atttttgttc tacccttgcg aatctctgaa atgaaccctc aagctaataga ccggaaggag 120
 tttcagggag attgttcggc gacgggagat ctcacggcaa agcacgattc agctggagga 180
 aacggagggtg gaggtgctag gtataagctg atgtcaccgg ccaagcttcc gatctcgagg 240
 tcgactgata tcacgattcc tcctgggttg agtccgactt cgtttttggga atctcctgtt 300
 ttcatctcca acatcaagcc agaaccttcc cctactactg gttctttgtt caagcctcga 360
 ccagtgcaca tttctgctag ctcaagttcn tatac 395

<210> 11100
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-013-Q1-E1-A3

<400> 11100
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 agtcacacac tctgtgtgag atgtggtcgt cgtagtttcc acatccagaa gagtcgttgc 180
 tcggcttgtg cttaccacgc tgctcgcaag aggacttaca actggagtgt gaaggccatc 240
 aggaggaaga ctactggtac cggaaggatg aggtatctcc gtaatgttcc tcgtcggttc 300
 aagactggat tcagagaagg tactgaagcc aagccaagga gcaaggcatc agcttcatca 360
 agcttaaaga gccagttcga gtagtctctc aggaaagact aaagcttaac atttttttgc 420
 attcaactaa nttgaagatt acctttcaat gtggatctca aacattangt taagggtggg 480
 tttgttcctt ggtaaa 496

<210> 11101
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-011-Q1-E1-G8

<400> 11101
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 ctctccacct aacattgctc cgttttgact cgctcgactc ggctaagtga ccacagttcc 120

tttcgagcca ataaaatggc tacgggacag ctattttcac gcaacacaca agcgttgttc 180
tacaattata agcagcttcc cattcagcgt atgcttgatt ttgatttcct ctgtgggcga 240
gaaactcctt ctgttgctgg tatcataaac ccagggtccg agggattcca aaagctattt 300
tttgggtcag gaggagatcg ccatccctgt ccacgcagcc attgaggcag catgcgctgc 360
gcatcccaca gcagatgtat catcaacttc gcacgttta gaagtgtgc tgcttcatcc 420
atggct 426

<210> 11102
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-G9
<400> 11102

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ttctcaactg gatcgcttcg tcgtacgctt agtcgtcaat tcacgcgtca agcttcacat 180
gatcctcgcc ggaacaatat gcgatttagt tttggctgac aatcgtcttt agatccgatt 240
cgtcggagtc ctgatggttc taacgggtccg cagcttgctg taccggataa tctcgacgct 300
actatgcagc ttctattttg ggctttaga ggtgatgttg aagggtgttca ggatctgctt 360
gatgaaggta ttgatgttaa tagtatcgat cttgatggtc gtacggctct tcatatcgct 420
gcttgtgaan 430

<210> 11103
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-H5
<400> 11103

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nnnnnnnnnn nacgattctc gctcactgtt catcgaatcc gtcattggat cgattcgaat 120

ttggtgtgtg ttttctttcc aatacctctg attagagatt tcagcagatc tgaacggagg 180
 agcgtcagat cggaatcgtc cgtcgggtgtt ttggtaaaaa aaaaaatgga ggaagcttta 240
 gaaatggcga gagccaagga tacaaaagag cgcattggctg ctgttgaaag gctgcatcaa 300
 cttctcgaag cttctaggaa gagtttgagt cctgcggaag tgacgtcact tgttgattct 360
 tgtttggatc tccttaagga tagtaatttt agagtctctc aagggtgctct tcaagctctt 420
 gct 423

<210> 11104
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-H6
 <400> 11104

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 gaaatcggaa tcaggaaccc tatgttgacc cgaatctaaa cccggttctt ctagtccag 180
 gaatcgctgg atcaattcta aacgccgttg atcatgagaa cggaacgaa gaacgtgttt 240
 gggtaggat ctttgggtgct gatcatgagt ttcgaacaaa gatgtggtct cgatttgatc 300
 cttcaactgg taaaacgata tctcttgatc caaaaacgag tattgttggt cctcaagaca 360
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 tgta 424

<210> 11105
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-H7
 <400> 11105

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 ggatccgaga gagagagctc tggaacgata ttaacatata tcatgaagaa aaagattgaa 120

gtattgatat gggaataact aaaacttctc ctaatactac aattctcttg aagactttnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn ggattcgacc gatcagattc tcccaattta acaactcagc 300
 agaagcaaga gcatcaaagg gtagagatgg acgaggaatc ttcagtcgcc ggaggttagga 360
 ttccggtcta cgaatcagcc ggtatgttat ccgaaatgtt taatttcccc ggaagcagcg 420
 gtggga 426

<210> 11106
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-H9

<400> 11106

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 aagttagggt tagacctcac ggagaagacg actttcatca gagatcagat caatattctc 180
 ctccgtgctc accaaaacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnaccag cagcagaatt tgcattccgg cgtcaatgtt 300
 cctccgatgg cgaaagggca tttcacactt agccatcctt cgcaattctc tgtttcttct 360
 caatcacaac aatattcctc acatttcgct cttcagctc cttatcactc ctaagacctc 420
 aattttcggg aagcc 435

<210> 11107
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-A1

<400> 11107

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aatggatgaa gcaaaagctg ctgggaaaaa actagctggt tgttctgcag ctacaaagag 180
 ttcagtaatc ttatgtctcg agaatcta atcgatatac agttgtttcc tttcgccaat 240
 ctctgatcta ccatgcttct ttcaagtttt ttctttatcg attatacttt atgtcgttta 300
 ggagcgggtc caaggacttg attgcttcct tgcaggatgat ttcattcacat tctctctctt 360
 cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
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<210> 11108
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-A10
 <400> 11108

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 atcaccacca ccaccaagtt cttcatcaca cgcctacgc tcttagacga ttcaaccgga 180
 aaccatcgaa tcagatcctt ttaccgcac accagaggaa cggcgacgag gacgacgaga 240
 acgatgtcgt tgtagaagcg tcttctgctt tccacgggtc cgggtgttaac cctttcacgg 300
 cggacgaaaa ttgaatccg tatgatgata ataacgcagc tgtagacgaa gacgaagacg 360
 aagatctcgg tgccaacaga tctagaatcg gaggtgttcg tgtagagaag aggcagagtc 420
 aggaggagct aagtgacgga ggaacaacaa atggcgggtga gattactccc tacggnagct 480
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<210> 11109
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-A2
 <400> 11109

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 gaggaaagat cgaaactgaa ctcagcaaaa tctgtgatgg aataactcaat cttctggatt 240
 ctcaccttgt tcccactgca tctttggccg agtccaaagt cttttacctc aaaatgaaag 300
 gagattacca caggtacctt gctgagttta agactggagc tgagaggaaa gaagctgctg 360
 agagcactct ggttgcttac aagtcagctc angatattgc acttgctgaa ttaactccta 420
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<210> 11110
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-A3
 <400> 11110

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 atcgccgtgt tttctcgctc tagtaccgcg agctcggaag aaccaggaag caatccgtta 180
 atctagaagc ggtgttgaga agatgacgat tacatcaa atctctgtac agaacgataa 240
 cctcggttgt caagggaaga ctatccttac caaaatccct gacaacatta tcctaactcc 300
 ggttaccggt aatggattcg tttccggttc atttataggc gcgacgtttg aacaaagcaa 360
 gagtcttcat gtgttcccca tcggtgtatt ggaggggtctt cggttcatgt gctgtttccg 420
 gtttaagcta tggatgatga ctcanag 447

<210> 11111
 <211> 289
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-A4
 <400> 11111

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 atgtcttaat ccttttgtgt tcttcaagga tgtcttaatc ctttcgtgtc ttgtatccaa 240
 tttcaatgaa atggtgaatg tttacaaaga aaaaaaaaaa aaaagggcg 289

<210> 11112
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-012-Q1-E1-A5
 <400> 11112

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttatc 180
 cttatccgat aaaccacaa ataaagacag actcttttgt tctttaaaca gagattgtaa 240
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 gattttaaaa atcagtagga agaagatgaa gtacgtgctt gtaacaggag gtgttgtag 360
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<210> 11113
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-012-Q1-E1-A6
 <400> 11113

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 cggagattca caaagccaca tcaccactc aaaccctcca ctctaaccag caagactgcc 180
 attggtatga agaaaccatc gatgatgatc tcaagtgtc ttttgccctc aacagtgttc 240
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agggtgcttgt gattgatggg aaaatgcaaa gtgctgagag agatgagttt atctaccatg 360
aatgtttgat ccateccgct ctctttttcc atcccaaccc caagactgtg tttataatgg 420
gaggaggtga aggctctgct gcaaagagaa 450

<210> 11114
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-012-Q1-E1-A7
<400> 11114

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gagattcgat accgtatttc tcttttctag gttcgccggc gctaagtatt cgccgttatt 180
gccgtctccg tcgtttactt tatctacttc cggcattcat atcagaacca aaccgaattc 240
tcgttttcac tcgattatag catcctcctc atcttcatct gtagtcgccg gaactgatag 300
cattgagatt aaatcgttgc cgacgaagcc tattgaagga caaaagactg gaactagcgg 360
actccggaag aaggtgaaag tttcatggga agataattat ttagccaact gggattcagg 420
cattgtttaa ttcattgcca cttgan 446

<210> 11115
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-011-Q1-E1-G6
<400> 11115

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ccgaacaaac tttatccggc gatcttaccg tttaccgct tttagcccg tgggtcctcc 180
cacgtgact gcttccaccg ccgtcgtccc ggagattctc tcctttggac aacaagcacc 240
ggaaccacct cttcaccacc caaaaccac cgagcaatct cacgatggtc tcgatctctc 300

cgatcaagcc cgtcttttct cctctatccc aacctctgat ctctccggt ccaccgccgt 360
 gttgcatgcg gcggcgatag gtcctatggg cgacctaagg acgtgggtca tgagctctaa 420
 acttatgga 429

<210> 11116
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-011-Q1-E1-D7
 <400> 11116

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 aggcaacatg tacattgtcc gaggtgggta ccaaatacaa taggacgatt gctttagaac 180
 ttatgcgtaa agaagggtgt gctgcacaga ctccagccaca acataatgga aagcttattg 240
 ttcattgctga ggagtcttta gcttctaaga ccaatacaga gattgtattt aggggggttga 300
 atttggaatc aaaggatact ttctctaaaa gtgacccggt tttgggtgata tctaagattg 360
 tagagcacgg gactccaatc ccggtctcta aaacagaagt tttaaagaat gatccaatcc 420
 actt 424

<210> 11117
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-D9
 <400> 11117

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 tggtagaat cagtgttctt aacgatgctc tcaagagcat gtacaatgct gagaaacgag 120
 gcaagaggca ggtcatgac aggccttcct ccaaagtgat tatcaagttt ctgattgtca 180
 tgcagaagca cggttacatt ggtgagtttg agtatgtcga tgaccacaga tctggcaaga 240
 tcgtcggtga attgaacgga aggttgaaca agtgtggtgt tatcaacca cgttttgatg 300
 ttggtgtcaa ngaaattgaa ggttgactg cccgtttgct cccttctaaa cagtttggtt 360

acatcgtgcc tgactacatc ctgccggcan tatggaccat gaaanaaacc taagaaggaa 420
 naatgtttgg g 431

<210> 11118
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-E1
 <400> 11118

ntgttacgcc tggccgtagc ngtcgaaaa ttcaagggtc gaccacgcg tccgtccccg 60
 cactatctac ttcttgctcc tccgtcatgg ctttctcaac atcaaacgcg cttcgttacc 120
 atcatcctca aatttctctc aggaactctc ttgcgctcc caaatcgctt tcttttgta 180
 ggcttccccct cggaaagggtg ttacagagca ggattgtgat acgtgctgct tcgtctgcgg 240
 ctggtaatcc acagtctgat gctgacttta atccgtatga ggttcttggg gttaacccta 300
 tagagggatt tgacaagatc aagcaaactt atggaaggaa acttaaagat gctcagagga 360
 gcggtgatga agccactgct gctctagtaa gttacgttac ctctctcttt ctttgggagt 420
 cctgtaaagt gatttttttt tttttttttt tcctgttaac acgtctctgt ttacaccttt 480
 gataa 485

<210> 11119
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-E10
 <400> 11119

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 gttgttgctc caccaccatc atcgtctccg ggaaggtttc ttcacggatt aaaaccgcag 120
 gccattacc ccgaatcaac ccttttaaga atcagaaacg attgattaca gagagaagaa 180
 acttgatcgt taaatcgatc attgaagaca gagaagcaat cgatgttaaa aatgacaatt 240
 tcaaggcaga ggaagaacta tcagaagata aagtagaaga tacagatcgg ctgatgagtc 300

gaggtatcaa cgcagctata gttctcgccg ccggtaccgt tgcggttact aagcttttaa 360
ccattgatca tgactattgg caagggttga ctctctacga gatacttang tatgcacctg 420
aacataattg gtttgc 436

<210> 11120
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-E2

<400> 11120

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agaacaaaaa agaaagaaag ccttcacatt gctttgtcca aagagagtct tagaatctca 120
aacctatctc ttagggagaa accctgattc tatattctta cttgctttcc ttttaagtttc 180
tgtctcgctcc agagggacaa agccccccaa ttccagtcaa tttcctttgt ttttgatgga 240
ttgagtttct ttctgttga gaaagaaaaa gaaaagagct acacatacac ttgcagagaa 300
gaagcaacaa tgagagaaga gaaatccaag actaataagc tggcatggtc caagaagatg 360
gtaaggaaat ggttcaatat caaaagcaaa acagaaggag tttcaagcag atgaccttc 420
ttctgctgga aattgaagta gagcatagaa gtagcttttc agctgagaaa gc 472

<210> 11121
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-011-Q1-E1-E8

<400> 11121

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acgcgcgctc tctctctaa tgcactctt atggctctc ctcggattcc ttcctctgtt 120
cactacggtg gatctcggtt aggttggtcg acccggttct tctcaattcg atgtggagct 180
aaccggtcag gttctactta ctgcgcgctt aactctggct ctaactttag tgatcggcct 240
ccgacggaga tggctccttt gtttccggga tgcgattatg agcactggct tattgttatg 300

gataaacctg gcggggaagg cgcgactaag cagcagatga ttgattgtta cattcaaacc 360
 ctagcgaaag tcgttgaag tgaggaagag gcgaagaagc gaatctacaa tgtttcatgt 420
 gagaa 425

<210> 11122
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-F2
 <400> 11122

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 tgggtggagct gcttccagtg gctcggttga aagtgggtgg gaaagcactg gagctacttc 180
 cgggtggctca gctgaaacca gtgatgaaag cgctagtggg ggantgcat ccggtgggtga 240
 gagtgctagt ggtggagctg cttccgggtg ctcggctgaa accggcggtg aaagcactan 300
 cagtggagtt gcttctggtg gctcaactgg tactgaaagt gctagtgtg gagctgcttc 360
 cgggtggctcg actgacgcca atgggtggag ccgctgccgg aggctcaact gaaaccggtg 420
 gtgganctag caccgaaacg agttcaatgg gtggtggaag cctgctgccg gtggcg 476

<210> 11123
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-F7
 <400> 11123

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 tcaatttaag ggtttgggnt tccgnttggg cccaacaaa ngangtnna agnnantcct 180
 cctccgnttg ngtctgtttc agatggaaga caatgataag tctcccccta aggattacta 240
 taagattcta gaagttgatt acgacgcaac tgaggaattg atcagactca attatcgga 300

gcttgcattg aagtggcatc ctgataagca caaaggcgat agtgcagcta cagaaaaatt 360
tcaagagatt aatgaagctt ataatgtgct gatggaccct gctaaacgtt ttgagtatga 420
tttcaactg 428

<210> 11124
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-F8
<400> 11124

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aatcaaaacc acgccattgt gtttactcgc ggaaatgcta tccaaactat tgatatgaat 120
caggataatt attttgaaga agccttaaag atgagaaatc ttttggagga atttgaccgg 180
gaccatggaa ttcgaccacc tactattctg gagttaggga acatgtcttt actggaagtg 240
tctcctcctt ggcactcttc atgtccaatc aaagaaacca gctttgtaac tcctaggtca 300
acgaantatt ggcaaaaccc ctttaaggntc cgcattgcatt anggccacca agaattgtctt 360
ngacaganta ttccanaatt acacgttggg gggaacaacn aggggtcccc ggtcaaccat 420
aattattgaa gatata 436

<210> 11125
<211> 480
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-G1
<400> 11125

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tcactctcct tctctgatct cgccatggaa cctgacgtca gtatcgagac tttgtcgatc 120
attcggatcg ccgtccttcc gatcggcact attccgccga cgcttctccg ggactaccac 180
tcgatgctgc tccgtcatca cacgatcgcg ctctcagcta ttagctcttt ctacactgaa 240
catcagaaat ctccattcac gaatcagccg tgggattccg gctctctccg gttcaaattt 300

gtgcttggtg gttctcctcc gagtccttgg gaggattttc agtctaatacg gaagatgctc 360
gccgtgatcg gcctttgccca ctgtccctcg tccctgatc ttgattctgt cactgaaaaa 420
ttcaatgctg cttgtaagag ttattcctcg gctcttgtcc ggcgctgctt cgctttctcc 480

<210> 11126
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-G10
<400> 11126

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ttactatgct tcttcagctc tacttttgca ctcaggattc ttaaggacct ccctatgatg 120
gagccaagaa agctagatct gaaccatgaa atgatgcctg ggatggttat gctacagcca 180
gatcatgagg tccaacctga gcacacggtc aagcctggcc atacactcca gtccatgtcc 240
ggtgcattag aacatcctga gcacaaggaa aagcctgacc ataaactcca gtctatgttg 300
ggagaacatc ctgagcaciaa ggaaaagcct gaccataaac tccagtctat gttgggagaa 360
catcctgagc acaaggaaaa gcctgaccat aaactccagt ctatgttggg aaaacatcct 420
gagcacaagg gaaan 435

<210> 11127
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-G11
<400> 11127

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gtttgcctcc aggattcagg ttctatccca ctgatgaaga actggtggct tactatcttg 120
ataggaaggt caacggccaa gccattgagc tcgagatcat cccagaagtt gatctttata 180
aatgcgagcc atgggacttg cctgaaaagt catttttgcc gggaaacgac atggaatggt 240
acttttacag cacaagggat aagaagtatc caaatggctc taggacgaac cgtgcgacct 300

gagcgggtta ctggaaagcc acggggaaag atcgtagagt agaatacaag aagatgaaga 360
 tgggaatgaa gaagacactg gtttaataata gaggaagagn tcctcaaggg cctccgtaca 420
 aattggtcaa gcan 434

<210> 11128
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-011-Q1-E1-G12
 <400> 11128

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 ctaaaatgaa tcaacagaga gctagaaggt ttagagctgc taaagatgca gctgaagcag 180
 cagctgaaga agagcagctg cgggaagagt ttgagagaga agggagaaga ttgcctccta 240
 aagtggattc tcaagttttt gactctaatt ttattactcc tggaacagag ttcattggcta 300
 ctctgtcctt tgcgttgca tactacattc acgttagact aaattctgat cctgggtgga 360
 aaaatattaa gggtatactc tcggatgcta atgttcctgg cgaaggggaa cacaagatca 420
 tgtcatacat acgtt 435

<210> 11129
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-G2
 <400> 11129

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 aagaagctgc atcatgaaaa tgtcatccat ttgaaagaga ttgttacttc tccaggtaat 180
 aaggaaactct tatcttagct tgtaattgct ttagaaattt tgtcaaaagg ggtgttaagt 240
 ttgatatgta gagttttgtg actgtttttg tctttaaaag gtcgagatag ggatgatcaa 300
 ggaaagccag ataataacaa atacaagggt ggaatctaca tgggtctttga gtacatggat 360

catgacttga ctggacttgc tgatcgtcct ggactgagat ttacggttcc tcagataaag 420
 tgttacatga agcaactgct gactgggctt cactaatgtc atgtgaatca agtgcctcan 480
 cgtgata 487

<210> 11130
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-D5
 <400> 11130

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 tcttcttcaa gaatgagcta atactcacag aanaagaaga tttttctttg gatttttcac 180
 tactgaggca ttgttgtgaa attggatggg agtagcattg gaatggcaga acaaaagagt 240
 agtaacggag gaggaggagg aggagatgtt gttatcaatg ttccagttga ggaagcatca 300
 aggcgttcca aggaaatggc ttcaccaaga gtctgagaaa ggagttccct ttagtaaaag 360
 ccttctcct gaaatctcta agcttggttg tagtcctaac aaagcctcct aagagctcca 420
 aatcagaac 429

<210> 11131
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-B2
 <400> 11131

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 nnnnnnnnnn nnnntttgaa ttttcaatat tgatttctcc catggcgagt agcagttgca 180
 gcagatctat ctctgtttca aattctgatt ctctcggtgt tttttgtttg agctagggct 240
 aaattagttt ccttcttggg tttttattcg taatccgatt caaagtttgt atctttggga 300

gggatgggta agaggcaa atcacaagat gaagtaggtc cgcccataaa accaagagct 360
 ggtttacgaa gggaacaagc tggaagaggt tcttacagag gtagttaagt tactttgtat 420
 ctcatcgaaa acgaatcaaa agaagcttct tttttttttt aatanagggtt ggggggaa 477

<210> 11132
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-B3
 <400> 11132

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 cttctcgagc caaggccctt aagggcattc taaaccacaa ttttcgagct tctcgttatg 180
 caagttctag tgctgttgca acgagctctt ctctctccag ctggctaagt ggaggctact 240
 ctagttcact tccttctatg aacattccct tggctgggtg ctctcttcca ccaccactct 300
 ctgaccatgt tgagcctagc aaacttaaga ccactactct tccaaatggc ctgactatag 360
 ccactgagat gtctccgaat ccagcagctt ccattgggtt atacgtttga ctgtgggtct 420
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 aag 483

<210> 11133
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-B4
 <400> 11133

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnaga tctcgtggcc gtccaccgaa gccgaaagat 180
 ccatcgagc ctccccagga gaaggtcatt accggatctg gaaggccacg aggacgacca 240

ccgaagagac cgagaacaga ttcggagacg gttgctgcgc cggaaccggc agctcaggcg 300
acaggtgagc gtaggggacg tgggagacct ccgaaggtga agccgacggg ggttgctccg 360
gttgggtgct gaattaatcg gtacttatgc aatttcggaa tctttagtta ctgaaaaatg 420
gaatctctta gagagtaaga gagtgcttta atttaactta attagattta tttgga 476

<210> 11134
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-011-Q1-E1-B5
<400> 11134

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ctgctgattc gggtactgca gtcgtggcag ccaaagagga agttaagcag gccgtcgcag 180
atgatctcaa atcaaaccgt tcaccgcctt gtgagtgggt tgtatgtgat gatgataaaa 240
gcggcaccag gttcttcttt attcagggat cagattcact ggctcatgg caagctaacc 300
ttctgttcca gcctgttcca tttgaggacc ttgatgtgct tgttcacaga ggcataatcg 360
aagctgcaaa aggaatatac gaacagatgt taccagaagt tcatgccac ctcaattccc 420
gtgg 424

<210> 11135
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-B7
<400> 11135

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nnnnnnnnnn nngattgttg attacgtcgg tggatctttg ttctcctctg tgttggtttc 180
attgctagat ttcgtcaatg attggcttct cagattcga tttttccggc tctgttctt 240

aatttcctct gagagaatga tggatgaggg atcagtaggg gatgtgagta ggattgatga 300
agctgatgtt gctcaccttc aattcaagaa tagtgagcag tcgtttaaac cggagaacat 360
tgaagtccgg gaagtaaaag aagtgcangt tcagagagaa gctgggttctc ctgattgttc 420
tt 422

<210> 11136
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-B8

<400> 11136

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cacaattcta ttcggtggga agagagtaaa agctactcag ctcaaggcac acatattacg 180
cttttctggt tacaaatggc aaggagatga ggaaaaggca aaattgaaag tcaaagaaaa 240
gtttgagaaa atcaacaaag aaaaattgct ggagttttgc gattttatttg acatatcagt 300
tgctaaggct accacaaaga aggaagatat tgtgacaaag ctgggttgag tttttggaga 360
aacctcatgc aacaactgat gttccaatca atgagaaaaga gaagggattg aancgcaaaa 420
gaactcc 427

<210> 11137
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-B9

<400> 11137

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aataagaaaa ctcttgtggt tctattgaat tgggtttcca ctatctttat tgtanagatg 120
gagtcttcaa gtccccacca tagnacatt gttgaggta atgttggnaa atctgatgaa 180
gagagaataa ttgtggcgag taaagtctgt ggagaagcac catgtgggtt ttcagattct 240

aagaatgctt ccgggggatgc tcacnaacgc tctgcttcta tgcggaagct ttgtatcgcc 300
gtcgtgctgt gtctagtgtt catgagtgtt gaagttgttg gtgggattaa agccaatagt 360
ttagctatat taaccgatgc agtcatttg ctctctgacg ttgctgcctt tgctatctcc 420
ctcttctcaa atgtggg 437

<210> 11138
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-C10

<400> 11138

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aatctcgtga gattgaccgt cgccgccgca gacggaagca gaagaagaac aacaaagcat 180
cccaagccga tgtagatgca tcggacgttt ctgctgcttc tgaatccaaa gagaatacag 240
atccccagcc acaggtttgt gagcagattg tgatagagta tgttccaaga gcaagctgaa 300
tttgaagatg gttttaacga tgagtttaag gaaatcttcg agaagttcaa cttccgcgaa 360
cctcttgctt ctgaagaaga cggtagcaaa gatgagtctg angagaaaga agatgtcaaa 420
aagaanggta actct 435

<210> 11139
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-C11

<400> 11139

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggtg 180
ataatggatg caggtatgaa caacacttct tctcactaca agacgcaggc tcgttgcctt 240

cttcaagaac acttttcttcc caggaaacct tctaaggaaa acctggacag gttcataccg 300
aacagatcag cgatgaattt tgactatgct cactttgccc tcaactgaagg aagaaaaggt 360
aaggatcana ctgcancggt aagttcacca tccaaaagag gctacangaa gcaattggct 420
ga 422

<210> 11140
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB24-011-Q1-E1-C7
<400> 11140

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acttggttga gccatcctct ttaccgtgaa tccgagetta ttgaagagaa tgtgcttggt 120
gtaagaaatg ccgcacaaag gaagcttttc gatgagctcg gtattgtagc agaagatgta 180
ccagtcgatg agttcactcc cttgggacgc atgctttaca aggcaccttc tgatgggaaa 240
tggggagagc acgaagttga ctatctactc ttcacgtgac gggatgtgaa gcttcaacca 300
aaccagatg aagtggctga gatcaagtac gtgagcaggg aagagcttaa ggagctgggtg 360
aagaaagcag atgctggcga tgaagctgtg aaactatctc catgggttcag attggtgggtg 420
ga 422

<210> 11141
<211> 488
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-C9
<400> 11141

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gaacatccgg gacagtgtga agcatgtgaa aacgtcagag tcccatgagg agaggtttac 120
tgagctcaag gaacagcttc aagttccaag cgagaaggtg ctttctcttg atgatcagac 180
gcaatggaac acaacatata tgatgcttgt ggctgcttca gaattaaagg aagtgttctc 240
gtgcttagac actgctgatc ctgactacaa gaaacctcct tcagcagagg attggaggca 300

tgtggaggca ctttgcacat tcttgaagcc tcttttcgaa gcagtctcca ctcttcaatc 360
tactggaaac ccatctgctg ttaccttctt ccatgaagtg tggaagacac agtcagattt 420
gtctcgggcg atagctggag aggattcttt tgtcacaggt attgctaaaa ccatgcaaga 480
naaagttt 488

<210> 11142
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-D12
<400> 11142

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaacca 120
ntgtttccct taneggaatt cgccancgat gcctcangat ggncanttcn tgcgtctcca 180
acgctcanaa atccgtcctg aatggtgcc a ncgattccgt ctctgtcgtc gggcggganc 240
agattcgtct tgggtcttct agcaaaggac gcatggccgc cgattcgtct gatcttctca 300
aggattgcc a attgtttgtc aaacaagtca atccacgaca atatgttget caaattcctc 360
aattacaaa tactgaagtt tgggttcaac gaacaaaagg acaatgtcaa gaaaagttgc 420
aacaanggaa tt 432

<210> 11143
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-011-Q1-E1-D3
<400> 11143

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
ngtgtccatt ttattaggca tgttggtgat ctttgtttca ccaatggtgt tcgcagatga 180
tttgacacca atcccagagg gcaaacccca agtgggtgcag tgggttcaata cccacgttgg 240

tccattggct caacgtaaag gcttagatcc tgctctcgta gctgctgagg ctgctccacg 300
 tatcatcaac gtgaatccaa agggagggtga attcaaaaca ctaacagacg caataaagag 360
 cgttcccgcga gggaacacaa agcgggtgat cataaagatg gctcatgggtg aagtacagag 420
 agaagggtcac tatcgacagg aacaaancct tcattacatt gatg 464

<210> 11144
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-D4
 <400> 11144

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 caacatggat gatcatgaaa cccctctttt gtccaaggac nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnntg tgggtggttc atctttgaaa tggatattga aagttgtaat 180
 gtctgtgatt tttgtgactt gggttgtgtt ccttatgatg tctcctggat cactcgggtga 240
 tcaaatcctc acaaactgga gagcaatctc ctccaacact ctctttggcc tcacangaag 300
 catgttctta attttcagtg gtcccgattc ttgtcatcgc catcttggct tctctctatc 360
 tgataatctc angggaagag acggttttca ctaaagaaga agataacgaa attcccgagg 420
 tttaggctat ggacattcct gttcctgtgg atggaacatt tg 462

<210> 11145
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-011-Q1-E1-B10
 <400> 11145

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 ctgtttcacg cgcgtccatc attcttcacg cgccgatcga cgcctttgat cgtcttcacc 120
 tctctcgcta tcggtctaac cggtttcctt ttcggattat caacgatcct tttccctgggt 180
 ctccggttat ctggccgggtc ctgcctcacc aacttgccac cgaagactgt taaaatcgtc 240

tgggacgtcg ctggtaatag tatcgттаат ggсgaagtca agaggcacia agtgatggga 300
 ttсgtcggaа tccagaccgg attcagatct gctggccgga gacgagctct caggaacaca 360
 tggatgссgt ccgattccga aggccttcga agattggaag aatcaacang attaaccaat 420
 aagatttatt atagg 435

<210> 11146
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-B5

<400> 11146

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 gaatttttct agggttaggг ctctgatcg atttcgсgag ctctgсgatt attttaagta 120
 ttaggatccg aaattagaaa tgggtggaga gggagattca agtcagccgc agagtgggtga 180
 aggagaagct gtggctgtga acatcaggtg ctctaattggc acnaaattta gtgtgaanac 240
 gagtctcgat tcancgggtg agtctttcaa agagttgggtg gctcagagca gсgatgttca 300
 agctaатnaа gcagcngctt gatttacaag gggtcgтаат cntcanggga cgatcaaaan 360
 tctcctnnng ctatggtttg caggctgatt cacacaattc atangggtta gaagcctctg 420
 caccttcttc 430

<210> 11147
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-C12

<400> 11147

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 aaatggaaga agatttggtg ggcatttggtg ggtttgattc gtcgaagaaa tatcgattag 180
 aagaacttgc caagtatcag tcgggttcat gtattgagtt tgaagatgat gatgaaatgg 240

cagtggatta tccatgcccc ttttgctcag atgattatga tttagttgaa ttgtgtcacc 300
 atatcgatga ggagcatcaa ctagacgccca acantgggat atgtccggtt tgtagcagac 360
 gagtgaagat gcatatgggt gatcacatta ccaactcanca tanaaatgtc ctcaagagac 420
 ctt 423

<210> 11148
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-C7
 <400> 11148

tgcataagca cacagtggta ttaatgcaaa ggctgacaaa gaagaatctg caaagaaaca 60
 nagtggctct gctataccag aggttcttgg actangacag tcaggtgggt gtagctgttc 120
 taaacaagac gaagattcct cgattgttat accaacaaaa tatagcatag aagatatacct 180
 ctctgaagaa tctgcagtc agggaacaga gacttctagt ctcaccgct ctttgactca 240
 actcgttgag aatcacagg aaaganaagg aatctctact cgggacacag agttctcact 300
 tctccttcta tagcttcttc cacaaagcga atcatctgct acatcaagag actgtanaaa 360
 accctaaggg ctaaacctga atganttcgc ggcttaaccg ctcgtgaact tgtgacacgt 420
 aaagattcgg tc 432

<210> 11149
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-009-Q1-E1-C8
 <400> 11149

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 gtgtgagttg attgatgagg aacaagcttt tggtgttatt gtggatcatg caaacacacc 120
 tgatggcttg tcaaggctgc tagattcaat tcgagagctt aaaccgagaa gaatcattac 180
 cgttattgggt tgtgagggtg agaatgaaag agggaaaaga ccgcttatga cgaaaattgc 240

tactgaaaag agcgatgtga cgatgttgac atctgataat ccgaggaatg aagatccatt 300
 ggacatcttg gatgacatgt tgtctgggat tggatggacg atgcaagagt atttgaaaca 360
 tggcgaacac aattactatc cgcctttggc aaatgggtcat agactcttcc ttcacgatat 420
 tagacgtg 428

<210> 11150
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-D10
 <400> 11150

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 gaaatattag gtgatacgaa gccatgacag tttcagaagc ttatagtcca cctctgttca 120
 gtatagcccc gatgatggga tggacagaca atcattacag aactctagcg cgtcttataa 180
 caaaacacgc atggctctac actgaaatgt tagctgctga aaccattgtc tatcaagaag 240
 ataacctgga cagctttttg gcattctctc cagaccaaca tcccatcggt cttcaaattg 300
 gtgggaagaa acttggaataa tttggctaaa gcaaccaaga cttgctaatt cttacgcta 360
 tgatgaaatt aattttaact gtgggatgtc ctaacccaaa agttaagggg angaagggtg 420
 tttttgggtg 430

<210> 11151
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-D12
 <400> 11151

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 ctcgaaaaa aacaacatac gcagagaaac tcaaaactcg aagaacgttt catatagcaa 120
 cgatgctttc ttcattctca acttccttta ctcatccatt tctctcttca tcnccgcctc 180
 tatctccgat atctccgccg tctcgacagg ntccgatntc tccacctctc gtctccgcct 240

cttgctcata cacctacacg gaagattcgc cgagactgca tcagatnccg cggcgattga 300
 cgacgggtgcc agcttcgctt tacgatgttc ttgaggttcc tttangcgcg acgagtcagg 360
 atatcanatc ggcttaccgg gagattatcc aaggatntgc catccagacg tggcggggaac 420
 tgatcgggact tcntcctcat cggcgganga attcatgaaa gattcatgcn gg 472

<210> 11152
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-D3
 <400> 11152

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 ctccctgaag atattgttag aggtgttgag gaagtcgatg cagtcccagg aaggtgtgag 120
 ttgattgatg aggaacaagc ttttggtgtt attgtggatc atgcanacac acctgatggc 180
 ttgtcaaggc tgctagattc aattcgagag cttaaaccga gaagaatcag taccgttant 240
 ggttgtgagg gtgagaatgg aagaaggaaa agacgnctta tgaacgaaaa attgctacgg 300
 aaaaagaagc gatgttgacg atgtttacat cctgataatc ccgaaggaga tgaagatncc 360
 atttggacat ccttgggatg acaangttgt tccggggant gggattggac naatccaang 420
 agttantntn aaacattggc gaaanacgat ttactaancg ccttttggca aatggtcnta 480
 gactccttc 489

<210> 11153
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-D5
 <400> 11153

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 ggaacagtta aaagtcggga tttttgggta ttgagaagc aatcggaaca acaacggcgt 120
 ttgtaacgcg gatttatgtc ggctgtgtct gaannnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ttctgctccg aacagaggct tattcttgan 300
 gttccttcna tttccatggg gcttaagact aacaggaaat cctactaggc aagtttaagt 360
 atccctgtgg ganttanggc cgaagccatc anggcaaatt tgctgctgan natttgaacc 420
 cattcactaa aactaagaaa tgggtgggta cntaagaaaa 460

<210> 11154
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-D7

 <400> 11154

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 gaatcgattt ctgaaaacat gcagtacaag aatctgggga aatcggggtt aaaagtgagc 120
 acgctctcgt tcggagcgtg gggtacgttc gggaaccagc tcgatgtgaa agaagcgaaa 180
 tcgattcttc agtggtgtcg tgatcatgga gtcaatttct tcgataacgc tgagggtttac 240
 gctaattggc gcgctganga gattatgggg tcaagcgatt cgtgaactgg gttggcgctc 300
 attccgatat cgtcatctct accaaagatt ctctggggg tgggectggt cctnaacga 360
 atnaangggg ttatcctagg gaaaacatan tcgttгнаag ggcactaana ctttctctca 420
 aaacggacnt tgatatggga attaangttg 450

<210> 11155
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-E11

 <400> 11155

gggcagttac ttatgcgtac agctggaaaa acgcctccgg tttttctcag accataaaga 60
 attggtttgg gggacacagc cataattcac cttctctttt catagtggca attcttatct 120
 acttatcccc gaacatgctt tctgcgttgc tgtttttggt tccattcatt cggcgctatc 180

ttgaaaggtc tgactataag ataatgatgc tgatgatgtg gtggtctcag cctcgtctgt 240
 atataggaag gggatatgcat gagagcgctt tgtcactttt cangtacaca atgttttgga 300
 tngttctgct gattttcaaag ctggcattca gttantacgc tgagattaaa gcccttggtg 360
 gtccaaccna agatataatg cgaatcatat atccgtctac agctggcatg anttttcccc 420
 tcac 424

<210> 11156
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-E12
 <400> 11156

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 tgttgatcat gtcttctca gtctctcaat ttcttcccag attccccaac gcgactagat 120
 tcaatgtaac tccacggagc agagccgcca ccgtcgtcgc ggcacccgct accgacctag 180
 ccgggggtcga cagtacaaca atcgccgtac tcggtggagg atccgtagca gcactcgcgg 240
 cgatgggttc cttaacggat ccggagagga ggcggaatt gcaggcggag gaagttggcg 300
 gaggcgataa ggagggtgtg agggagtatt tcaatagcac ggggttcgag angtggagga 360
 agatctacgg tgagactgat gaagtgaatc nagtacanaa aggatattcg actcgggtcaa 420
 tggcn 425

<210> 11157
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-E2
 <400> 11157

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 ttgcaaaaaa actcaacctt taatctctct gcttcttcta attaagtaat ttcaactacc 120
 cttttggcga aacctctcga tctattgggt tgggtactgaa gaaaccgact tgagtctgat 180

ttgttttttg tgaaagccan ggaagctata anaaagcacg ctgcgaagct canagagcaa 240
gtcgcgagggc ancagcaanc ggttttgaag catttagggc atgttaatgc tgatgctgtt 300
gttggtgatn aacaacagct tcattgtcan canaaacttc aagatcttta tagctccacg 360
aaaagctgct aancgtttnc anangaacat tgttcgtgga acacgaangt ttcaatgcga 420
ctggcaca 428

<210> 11158
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-E6
<400> 11158

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atatttctcc gaacaccgca actgccgca tctcagccgc gcttgaatct cagcgcagta 120
gaaaaaacg aggaagttac aattgcggtg gatgtggtca acctaagaaa ggccatgtct 180
gtcttttaac tgctccacct gatattccca ctantccgat cgcttctgag ccagtgagct 240
gcatctccgc cgccgcatct tcttcccggt ctactgtctt atctttaaca gggcgccgt 300
catcgcgaca gaccttcaact cacttacgcc gagctttatc gttcgatgac gtcgatgcgc 360
gtaattcaact cgatgaatcc gatctggatg ctgcatcgat ggatntggat ctacaattgg 420
atacgggat 429

<210> 11159
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-B10
<400> 11159

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ctgaggtaga agctcaacac attgtcaatg ctgcaaggac cgcaaaaatg gcaagactga 120
agcaagctaa ggaagaggca gagaaagaga ttgccgaata caaagctcaa acagagcaag 180

acttccagag gaaacttgag gagacaagcg gagactctgg tgcgaaatgtg aagaggctgg 240
agcaagagac tgataccaaa atcgagcagt tgaagaacga agcatcgagg atttccaaag 300
atgttgatga aatgcttctg aaacatgtga ccacagtga gaactgagag atatttttat 360
aagaaagtaa aaaaaaagtt tatgaaaaaa ntgggagtc ttttgagttg atctgctcnc 420
cttc 424

<210> 11160
<211> 197
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-H10
<400> 11160

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gagcttttat cttagtaatg ttgaacttta tgtagtactt atgtaggaga gactttataa 120
ttctaattgct ttattctgga tcttactgct gtcgtattta ggtgatgttt gnnnnnnnnn 180
nnnnnnnnnn nngggcg 197

<210> 11161
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-H11
<400> 11161

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nnnnnnnnnn nnnnnnnnnn nnnnnnaaga acaatggcga cacnaggagc ttcctcagca 120
agagatgaat tcgtatacat ggcgaaactc gccgaacaag cagagcgtta cgaaggaaat 180
ggttgaattc atggagaaag tcgcgaaagn tggtgacaan gacgaantca ccgtcgaaga 240
acgtaatctc ctntccgtcg cttacaaaaa cgcatcgga gctcgtcgtg cttcgtggag 300
aatcatttca tcgatcgaat aaaaggagga gtctcgcggt aacgatgacc acgtntcgtt 360
gatccgtgac tacagaagca taatcgaaac ggaacgttcn gatattctgtg acggaatccn 420

taagctt

427

<210> 11162
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-H2

<400> 11162

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ttttatttag atttccctct gatcctctct tttagatttc gaatcgagac cagatctgcg 120
tgaagatgat agagaagtgt ataggagcgc atcggtttcg gagattacag agattcatgc 180
gtcaagggaa agtgacgatt ctttgtctcg ttctcacctg catcgtctta angtggcaca 240
atcggagccg gtaagtttgg tacgccggag aaagatatcg aggagatccg tgagcatttc 300
ttctacacgc gtaaacgcgg cgagcctcac cgtgtcctcg tcgaggtctc ttccaaaacg 360
acgtcgtccg aagacggagg aaatggtggt aacagctacg agaccttcga tatcaacaag 420
ctattcgttg atgaaggaga cgaaagagaa atctcgagac cggantanta aacctaatcc 480
tcctgggccc a 491

<210> 11163
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-H4

<400> 11163

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atggccgcca tggctaggaa cgtagctcaa gctgatgcgt ctgttaaggc tggagagtgg 120
aagaggaaca agtatgtagg tgtttcactt gtgggaaaga cccttgacgt gttgggattc 180
gggaaagttg ggacggaagt tgctcgtcgt gctaagggtc ttggtatgcg tgtcattgct 240
catgatccct atgccccagc agaccgtgca cagccattg gtgttgactt agtgagcttt 300
gatgaagccc ttgccaccgc ggatttcatt tctcttcata tgctcttac gccacaaca 360

tcgaagatac taaacgacga aacctttgcc aaaatgaaga aggagttcga attgttaatg 420
 ttcctcgtgg aggtgtcata nacnaanatg ccttagtgaa agctcctgga tgcttggtat 480
 tgt 483

<210> 11164
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-008-Q1-E1-H5
 <400> 11164

gcggaacgct gggcggaacg gtgggccttt tcccggaaaa tttatttgct gatttttctt 60
 ccttccatcg ccactttcct ggaaaaaaaa actaaatttc gtctctttct ttaagctaaa 120
 ggagctttct gtgatcaatt ttttctatat ttctgtagtt gcgttcttat ttcacgcgct 180
 ttgtgatttg attatttaag ccactaatgg cttaggatct gtatattatc acttcatgaa 240
 ttctcgtttt ctccgataag ttgttaagtt tctaaattag ggaatttttag gaattagggc 300
 ttttttgggt ttgtatgtgt gcttgattgg gtaagaagat ggctgcagtt ataagaaagt 360
 tattaccttt cccatcaccg aatcctaaaa gggataatcg agaaagtgac gaatgatgat 420
 gaaacaagta gtgggctaata cg 442

<210> 11165
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-008-Q1-E1-H6
 <400> 11165

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 gtaacaatat cagtagttct agctggtgtg tcatggtgga tatggagaac tttacagtgg 120
 gtttggttta agccaaaaga tgcttgagca ttacctgaga agacaaggtc ttgccggaac 180
 accttacacg cctctagtcg gcgatttgaa gaagaatttc accatgttgt cggaggcaag 240
 gtccaaaccc ctcaaactaa cggatgacat ctcacctcgt gtcgtgcctt atcccttgca 300
 aatgttcaag acttacggaa ggacttactt tacatggttt ggacctatcc caaccatcac 360

aataatggat cctgagcaaa tcaaggaag tgttcaacaa aggtttatga tttccaaaag 420
ccgcatacat ttcctttg 438

<210> 11166
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-H8

<400> 11166

ggaaaaatta aatatccatc caactgtgtg aattagatat tttctcttat ctcttctctt 60
tgttcgatca aaaattcaat tttcccgaga tttttgtttc tctcgatcga ttcaacacct 120
aaagattgaa gcttttgctc gtgggttatg taaagtttcc acctttcgtc ttctttctga 180
tctgtgagca aaaatgggac aacagcaatc aaaaggggaa ttgctgtatc agcaagttag 240
ttatggtaac tctgaaggaa ttcgagctct tcatcgagat ggtggagacc ttgagtggat 300
ggatagagaa ggaaaaactc cgttgatctt ggcttgatg aactccgagc tatttgatgt 360
tgctaagact ttgattgagt tgggttctaa tggtaaagt cctaaccgtc ctggtcgtca 420
atgctgggga ctctctg 438

<210> 11167
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-H9

<400> 11167

cctgggaatt ttcgttacct ccttcgttct tctctgatct cgaattcaat accaaattct 60
tcaatctccc gaatctgatt ttcttatcac tatccctgga taacaaaagc ccccaaagta 120
aaaaccaat tgcgattccc tcgtaaacca atctaggggtt ttcgagagtt cgtctctgag 180
cttgtttgtt tgtgatcgtg tgagaatgtc tcggtgttat ccgtttccac cacctggtta 240
tgtttggaag gaaagtctga tcgaatcgat caagggggca aaggaggaag tgaagaaaga 300
tagaaaacac aagaggaatg aaaaagatag aaaggatagg gataatgagg cggggaggag 360
caggaagcat cggcataaga gacggcggaa agatgaaggc gccattgcta gtggcaaatt 420

agtaa

425

<210> 11168
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-A11

<400> 11168

gggagaagag aacgactgtg tatccttcag agtcagacga gcctatgaat caacaaatga 60
tcgaaggagc cgaagttggt atagatggaa acgtgattac aagtttgggg ctgcgaactg 120
ttaccaaatt ttccctggct attgttagca agctgttcgg acatgctaga gcaaggagtg 180
tttcagaagg gcttgtgcat gagtatccaa ggcagtaacc gtttgaaagc atcttgttca 240
agaaacacag ttagaagatg tctcattact gatcttaaac cgaagtataa cgggtccgatg 300
gtatcaaacc acctcaactc cagagacttt tcacaagtat catctgttca acgttgatgc 360
accttatcct gaaagcngga tgctatctgc aagaaatttg ccaatttagt agtgtagcta 420
aattttg 427

<210> 11169
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-A12

<400> 11169

gctgacattg gtaaaggcat agaaaaaaga aaaaaaaaac tgttcttcat catcatcgtc 60
tctccaaga aaaaccatga aatgaagaa gaaaggaaaa gtntntntntnn nntntntntnn 120
nntntntntnn nntntntntnn nntntntntnn nntntntntnn nntntntntnn 180
ttctctctct gtgttgaagc ttcttccagc gacgattttg gttcttgttt ctgttctctc 240
ctctgaagaa agagagggtc ttgcttactt aatcacaaga ggaaccacca tttccgatag 300
aggaaactct tcttcaaaga ataagacgaa gaagaagagc aacaaatcta gcanaaatca 360
caagccacca gttttcgatt gtgagtgttt cgattgttac actaactact gggtttcggt 420

ggggattctt cg

432

<210> 11170
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-A3

<400> 11170

cattngtcgg ccacgcgtc cgagataagc tttcgtcga aaacttggag acgacgagtt 60
cggcatatg ttggctggga ttttgaggaa gaacggtggt gatgatcagg ggattaactt 120
cgatactgga gctagaactg ctttagcttt cgttacgtta cgtgctgatg gagatcgtga 180
gtttatgttt taccgcaatc ctacgcccga tatgcttctt cgtcctgatg aactcaatct 240
cgacctcatc agatccgcca aagtgtttca ctatggatca ataantttga tagtggagcc 300
gtgtagggtca gctcaanttga aaagccatgg aagtggccna angaangcan ggagntcct 360
ctttccctan ggaacccaaa ccncanggg aagcctcctg gtngggccaa tccannaagg 420
aaaganagcc cananccacc gnatncatng atcatttngg gaacccaaaag cctgg 475

<210> 11171
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-009-Q1-E1-A4

<400> 11171

gctgtgatat ccacctact ggtctgaaga tggcttcac tttcattgga aactcaacat 60
cgatccaaga gatgttcagg cgagtgagtg agcagttcac agctatgttc aggaggaagg 120
ctttcttgca ttggtacaca ggtgaggga tggacgagat ggagttcaca gaagcagaga 180
gcaacatgaa cgatcttgtg tcagagtacc agcaatacca agatgcaacg gctgatgaag 240
aaggtgacta cgaggatgag gaagaagggt aataccaaca ggaagaagag tactgagagt 300
aathtagtta taaaaaaccg cttgaaaaaa atccaattta gtccgtttgg ctacnttttt 360
ttccttanaa aaanaaaaat gggaaacctc caactaccaa ttgcccaggt ttatntccaa 420

tgccttgat tttgacctta tccnggatga

450

<210> 11172

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-A5

<400> 11172

gagcttaaac cccattttat atttttagtcg gagctccggt gaaataaaat ggcggcaaag 60
attattggtg gatgctgctc atggcgacgc ttttacagga agagaacatc atctcgattt 120
ctgattttct ctgttcgagc ctctagtcc atggatgaca tggacaccgt ctacaagcaa 180
ttgggattgt tttcactaaa gaagaagatt aaagatgttg ttcttaaggc tgagatgttt 240
gcaccggatg ctcttgagct tgaagaagag cagtggataa agcaagaaga aacaatgcgt 300
tactttgatt tatgggatga tcccgctaaa tctgatgaga ntctctcaa aattagctga 360
tcnagctaaa gcantccgan tccctcaaag anctcaaata caagggtgaa gaaactaagc 420
cgattntaca 430

<210> 11173

<211> 386

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-009-Q1-E1-A7

<400> 11173

caaccacaag aacacaaaac acacaaaac aaagagggtc tttctttgaa gaagaaatgg 60
aaaaagttga tgtttatgat gagattgtng gaaagagaac cagataccgt cttgatggca 120
ccaagatcat gaaggatatt ttggatagta agctaangaa cgacactgag tacaanctgg 180
agacaatggt ggggtgtgtac aggaaactta caggggaaaga tgtagttttc gactaccag 240
tcatagaagc ttgaagagat gaatgtttgt ttcattcttt tttgtcggnt aggagagctt 300
ttgantctgt ntggggagta naactcttgc naagatttng tnnttcagca ttcncatct 360
cctcntcaaa gttcgattta tcgnta 386

<210> 11174
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-009-Q1-E1-A9

<400> 11174

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gggtccaatt gagaaaaacg cgtatcgtcg tcttcttcat caaaagcgaa caantntcg 60
aaacacacct atancgacac aaantcncat cttctctctn tgnaaatctc acnnantana 120
gaaaagcttt gttttttcca attaaagtta cattttttgt ttgaacaaat cactttctgt 180
gatctacatt tgtgtgggtc tgaaatcaat gacggaacca gaaagattag gaggaatctc 240
cctgagtttt ccggtgaatg aagaagatac ggtaacgaca acatcaccaa agactcttcc 300
acggagggtc cgtcgctgct ttctcgaacc gaagagtcct gtctccgccg caagagatng 360
attccaaaac tcaagagaag ctgatctccg tcgtcagcaa tattatgaat cactatcga 419
```

<210> 11175
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-G9

<400> 11175

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tgatctctga taacatcaat tcgttttagag atcgaaccag agatattctt agcgtcgtcg 60
tcgcgctttt gttcgggtgtt ggttgtgggt ctttaaccgc tgctactatg tatcttgttt 120
gggctcttgt tgtgaatcgt caaagctatg attttgagga agaagaagat gattatgaga 180
atgatgaatc tgatgctgct agcttgaaga aattgggtta tgtaagatt ccagctccag 240
ctctgctcc tgtgaaggaa gctgcttgat ttgaggttgt gaatttcagt ttctgcatat 300
tatcatgatt tacgttggtg ctatctatgt tgttgcgtac aagtaaattc gtctctgtta 360
nggattaanc naaacttact atactctaag tatcagtg 398
```

<210> 11176
 <211> 494
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-E1

<400> 11176

gttctttggc cgcccgtcc gaaataaacg ggtcgacnca cgcgccgat naaccttctc 60
ctctttctta cgcaattaca acttcaacgc ctctctatct cttcgccgtg aatgtcgaga 120
tagtcgtaag ctctctgctt ttcaaatttc tctcaaattg aggtagagag agagggcaca 180
gagatagaga gagaggggca taggaaacg tgattttccc agttcccga ggaacaatcg 240
gctganttct ctgtaatcga agaattctaaa cctcaccac tcgaaatcag ctctggggtt 300
ttgggggggc tctattaatt tccaaattct ggagaaaaat cttgtatttc ttcaagatgt 360
ttgggtgtga ttgtttttac tggagcagag gaatctccga gttggattcg gaatcgccg 420
agccaaaagc ccttctcaac ttccgggtcc tcttcctagt tggccgcaag gtaaaggttt 480
tgccacagga agaa 494

<210> 11177

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-E1

<400> 11177

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agcactgcgc gacgctctac gaggagtgtc taaagaatct ggtgaaagaa aagattatcc 120
caatatcgaa aaagacaggg tatectgagt ttgatctaca acttctaggg atgggtcctg 180
atggccacat ggcgtctctc ttcccaaacc atccacagat caatgagaag cagaaatggg 240
tcacttacat caccgactct ccaaaaccac caccaaagag aatcacattc actttaccgg 300
tcatcaactc tactttgtac aatcttatgg ccatttgtga caaagcaccg gccaaatccc 360
gtggctgaga tcatgaagca caacaacctc tcgttaactt ctgcncatcc tantgctcaa 420
gtcgaaaatg ttt 433

<210> 11178

<211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-E12

<400> 11178

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tgcagcaact gccgatagtg gagatgctgc tgggtgccgat agnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaaccggtg gtgaaagtgc 180
tagtggtgga gctgcttctg gtgctggagc tgcttccggt gcctcagcta aaaccggtgg 240
tgaaagtggg gaagctgctt ctggtggttc agctgaaact ggtggtgaaa gtgctagtgc 300
tggagctgct tccggtggtt cggctgaaac tgggtggtgaa agcggtagtg gtggaactgc 360
atccggtggt taaagcgcta gtggtggaac tacatccggt ggctcacctg aaancggtgg 420
ctcaa 425
  
```

<210> 11179
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-E2

<400> 11179

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tccgaaaana aacgggtcca cgcncgcgtc cgcccacacg tccgcccacg cgtccggaaa 60
tcttgcagtt gtctgcagat tcttattcag tggcgctcatc tgatagcaca agcagctgca 120
gtgaagatga taattatgat tctgaatctg agtattcaaa tcataaagag gggcggttga 180
ctgatcttct taatgtgaat agacttggga aggagatcct ggaatgtaca ccganaggaa 240
caagatttct tggttctcaa ccggagaatg gtagcacaat aaaaactttg agaacagatg 300
aatcaatgaa ggaaactacc actanctttc cttctggatt gcataatggt aaacatggtg 360
ttaaccagac agaccgtttg gttgagaaaa gganacctat acanagattt gtttccttcc 420
aagaangaag gaaagttgca ttaccaang 450
  
```

<210> 11180

<211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-E4

<400> 11180

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ttcttccttt catttgggtt aagagaagcc atggataccg agtttctccg aaccctagat 120
cgtcagattc ttttgggtgt cttcgttget ttcgtcgccg ttggtgctgg tgctgcttat 180
tttcttacat cctccaagaa acgcagagtg tgtttggatc cagagaattt caaggagttc 240
aagcttggtta agagacatca gcttagtcac aatgtggcca agttcgtttt tgaactccca 300
acttctactt ctgtgttggg tcttccatt ggacaacaca tcagttgcan gggaaaggat 360
gggtcaangag angatgttat taagcataca ncccgactac gttagactct gacgtnnagc 420
ntntcgaact tgtcattaga tgtatcccca aggga 455
```

<210> 11181
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-008-Q1-E1-E5

<400> 11181

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gggttttctt ctctgtgagc gaagatgctt gagattcttc atattcaagg aggtcaatgc 120
ggaaacaaaa tcggttccaa gttttgggaa gtggttaatc tcgagcacgg gattgatcag 180
acgggacggt atgtangaga ttccgagtta cagcttgaga gggttaatgt atantacaac 240
gaggcgagtt gtggaaggta cgttcctcgc gctgttctca tggatttgga gcctggaacc 300
atggacagtg tcagatctgg tccgtanggt cagatcnttc gacgggataa ctccgtcttc 360
nggtc 365
```

<210> 11182
 <211> 427
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-E9

<400> 11182

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cgtcgcgtct tcttctggtg taaaagcttt tcttccacac acatttgaga aagaagacga 60
agaagaagag agaataacta ttccttcttc gccaaagtct ctgagctata gaagaaggag 120
ggatttcttc agaccgccat tgttgccac cttctctctt ttctattttt cgccgcattt 180
tactcgctta ctgacaaaag tcttctactc aagtctctct ctgcgtctct ttggagggtc 240
aattaggggt ttgttgctgt gagatttgat tacacaaatt gctgaatttg gtttcgatta 300
ttgggtgttat tgttttcgaa gatttccagt gagtttccgt ttatggatct gactggagga 360
ttggagctag atccggcggg gttgggaccg tgccgggaac caataggcct tgaatcgcta 420
catctcg 427
```

<210> 11183

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-F11

<400> 11183

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gcccacgcgt ccgcccacgc gtccgcggac gcgtgggggt tcttctcatt cgtcatctag 60
tcccattctc tgtccataac aatgaatatc aattgttctc cattagggtt tctaatttca 120
ctcttcttca ttgttacttt tcttgacca caagtcaaatt ctagggtttt ctttgtcttt 180
ggtgactctc tcgtcgacaa tggaacaac gactacctcg tcaccactgc ccgtgccgac 240
aattaccggt atggtatcga ctaccgacc ccgtagaccc accggacgtt tctctaacgg 300
ccttaacatt cccgacatta tcagtgaggc tatangcatg ccgtcgactt tgccgtacct 360
tagcccgcat ctcaacggag aaaatcttct agtcggtgct aatttgctc cgcangaatt 420
ggatctcaac ga 432
```

<210> 11184

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-F12

<400> 11184

ggatctctct ctgatcacia caatcataag cgatgagagg agctagaccc gatgaattca 60
attttagtac gaatccatca acgccaacaa ctgggtcagcc gacaccgacg taccgccg 120
gtgttggcgg cggcggcggg ggaaggaaaa aaggcggttg cgtgaggacg tggttggtac 180
ttaactcgtc agggcaatcg gagccgaagg aagaaggaa acactccatc atgcggcgaa 240
cgggattacc ggcgcgatgat cttaggattc togatccact gttgtcgtat ccactactg 300
ttttaggtag agagagagcg attgtcatca atttgagca tatcaaggca atcatcactg 360
ctcaagaagt tttgttgctt aattccaagg atccttcggg ctcaaccttt aatgatgaat 420
tgcagaagcg gattct 436

<210> 11185

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-F2

<400> 11185

tgttctctgc cgcccggtcc gaaatanccg gtcgaccac ggcgtcgccc acggtccgg 60
ccttctgcag acgttatctg gaccgccttg gtgaaacaaa atacttgatg gctttaaaga 120
atctttgtga ttctggcata attgagccat gtcctccagt gtgtgatgac aaaggaagct 180
atatttctca gtttgagcat acaatcctgt tgcgaccaac ttgcaaagag attatttcca 240
aaggagacga ttattgaaat agtgattttc acagaacttg aagcagttgt tcttcttgag 300
tttgataaat agttttggaa ggctttttta gtcttgtgct caaatatttg tatgttcttc 360
gaagatgatt ctaagtataa gagcttaagg gatccttcat caattataag ctacatgtta 420
gcttaaaaaa anaagnnnnn cnnnnnnngg nnaaaaaaaa aaaagggcgg ccgctctaaa 480
agg 483

<210> 11186

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-F6

<400> 11186

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gaaggaggct ctcagatttc tttgagttct cgccatccat caattacagg tgctcctcaa 120
gagactgaca ttgggtggtg atacagatct catttatcta cagctgctag tcattacgga 180
acacaatatg gctctgtgta tggatcaact tctcttagca gctctcagcc tttaagcacc 240
aatgggttag gttcatcagt tttggataac cgctcgggat atgtccctac tttacctgat 300
tcaccaaagt ttgcatctgg aagctatttg tctccctcga gccatggta tgggtcaaaag 360
acggacgatt tgtattccga taagctgtct ggttacattc ccgttgatan aangcagtat 420
ggtgaacaat caagc 435

<210> 11187

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-G11

<400> 11187

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atctccatct gttggatttg tcaacaagat ttatcacct aatgtcgatg aatcttctgg 120
tgctgtttgc ttagatgtta taaaccagac ttggagccca atgtttgatc ttataaatgt 180
gttcgaatcc ttccttcgc aactgcttct atatccaaac ccatcagatc catttaatgg 240
agaagccgct tctctgttga tgcgagaccg tgcagcctat gagctcaaag tgaaagaata 300
ttgtgagaaa tatgcaaaac cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaatcgtt gggaaagccg 420
atcnatgact gtt 433

<210> 11188

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-008-Q1-E1-G12

<400> 11188

gattcaaggt gtcccatctc agatacgtgg tggcaaactg aaactggtgg cttcatgata 60
accccatctg caggtgcttg gcccagaaa cctgggtcag ccactttccc tttctttggt 120
gttcagcctg tcatagtga tgaaaagggc aatgaaatcg aaggcgagt tagtggttat 180
ctttgtgtca aagggtcatg gcccggggag tttcgaactc tgtttgggga tcatgaaaga 240
tacgaaacca catactttaa accttttgcc ggatattatt tcagtgggtga tggttgcagc 300
agagacaagg atggttacta ctggcttaca gggaggggtg atgatgttat caacgtcagt 360
ggccatcgaa tcggaactgc tgaagtagaa tctgctctgg ttacaccct caatgtgcaa 420
aaacanct 428

<210> 11189

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-008-Q1-E1-G5

<400> 11189

gcaaaaatct gaaacggaag ctgagagaga caaggatgag atttttctct tcctttgata 60
aatcccaata cctaattccc aaattccctt acttttaggc gccgaaagat agagagaaac 120
atagatacgc attggttttt tcttttttga agattctcgc ttcttactac atgtgtatca 180
atcgatctct acccagattc tccggaggag ctttgagtct tgctgtatag atgcagtga 240
ggtcctttgt tagatgggaa aacttgttct tgagttgtca aaaggtatct tctatgtttt 300
tgagtagaaa ctgtttacaa ggaagcagcc aatatggagt ttgattttgg agaaatgttt 360
ttagtggtgt tgtgaagaaa tatcagtttt gattgttttt ggatttgatg ggtaaagaga 420
atcagttgga gactaccgat 440

<210> 11190

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-008-Q1-E1-D9

<400> 11190

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agattagctt tgttcctcaa gattctaggg gtaatgtaga gaagaagatg ttgttttacc 180
ctaaagagat tcatgctgta gtgtcaaaag atggatgtca agcttctgtt tctccattta 240
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ttaagatttt tgcggcaaag gacagcctta attcctcact taaagaaagg ggaaatagct 360
attgaaacaa gcactttacc anctgggttca tttgttgctg ggcctttgta tgacgatata 420
ccatatgccca ctgaaa 436

<210> 11191
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-H7

<400> 11191

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catgttcgaa gaggaaggaa cttcaaggac aaagttgatc agccatcttg gctttacttt 120
gcctgttgcg gaaaaggatc aggcagtaga tgggctctca tcagatctca atggcattag 180
attagaggat actgcggcag atgcactgga tcttgacgac agtaacgagg cagctgcatt 240
tgcgatggat aatggagaag acttctttta caactttcct gctaaaccgg atacacctgt 300
atctacatct gccaaagatt ttatgccttc tgacacagat ttttctacca aaggagaaga 360
aacgcaagaa atgcaagaag aagaggaaga aagttctgac ccagtttttg ataatgccca 419

<210> 11192
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-A1

<400> 11192

cttactatct ccacaaaatg gcgtcgacgg taggagttcc atcactatac caagttcctc 60

accttgaaat ctccaaaccc aattccaaaa agaggtctaa ttgtttatct ttatctctcg 120

ataagccttt cttcaatccc ttatctcttg ttcgtagaac tcgtcgatc cattcntctt 180

ctcttcttgt tccttcggct ngttgctact ccnaattctg ttctcagtgg aagaagcttt 240

caaaagtctt gggcctttct gaccatgacg aatatgacct tgnccgngac aacaacaacg 300

ttgaagctga tgatggtgaa gaactcgca tctctaaact tagtttgcct caacgtcttg 360

aagagtctct tgagaaacgt ggnatcactc atcncctccc cantcagaag agctgtnttg 420

ggnacctgca ctggaaag 438

<210> 11193

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-007-Q1-E1-A10

<400> 11193

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tgaagttgcg agctcagtgg tgtatgaagt gctcggacgc agagctcagg atgtggacga 180

gccgattatg gactacatca ttaatgtcct cgctgatgag gatttcgact tcggtgagga 240

aggatgaaggc gcctttgatg ccgtcgggtga gctcctcgtc gctgctgaat gcgtttccga 300

tttcgaagag tgccgtttgg tttgtagcaa actgtcggat aagtttggaa agcatggatt 360

ggtgaagcct acacctactg gtgaagagtc ttgctatgcc tgtgcggatg aacgatgggg 420

atgggatgaa tggacctgtt aagaagaaga aaccanagcc tgtggatggg cctttgctca 480

ctgaacgtna 490

<210> 11194

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-007-Q1-E1-A2

<400> 11194

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aatgttgatt gagataatta taatgtatcc gatccaacat cgaaagtata gagatggaat 120
cgacaatctt cttgtccttc tcattggagg aatcccaatc gctatgccca ctgtgttgtc 180
tgtcacaatg gctattggat cacatagggt gtctcaacaa ggtgccatca caaaacgaat 240
gaccgccatc gaagaaatgg ctggtatgga tgttctttgc agcgataaaa ctgggaactc 300
taaactctca aacaaactta cagttgacaa agaacttgat ttgagggtat tctccaaaag 360
acgttagaca aggactatgt gatactactt tcaagctaag ggcttcaaag agtagagaaa 420
ccaagatgcg aattgatact tccaatt 447

<210> 11195

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-007-Q1-E1-A5

<400> 11195

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tcgtaaaggt ttcttgtgag cttaaacgat gagtaccctt gagaccacaa gagctgagct 120
tggtctggta gttgtgtatt tgaataaagc ggaggcgaga gacaagattt gtcgagctat 180
tcantatggg tccaagttct tgagtgatgg ccaacctggc actgctcaaa atgtcgacaa 240
gaacaccagc ttggctagga aagttttccg tctcttcaag ttgtaanat gatcttcatg 300
ctctcattag cctgttcca aagggaactcc actcccgctt gttcngetcg gaaagtctaa 360
aaacgcgttg ctgtcaacnt tncctgttcc ctanattaaa ttgtgttggc ttggcangga 420
ctgggattt 429

<210> 11196

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-007-Q1-E1-B1

<400> 11196

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cagaagcgtt agggaaggac tcgattaata tactcgtaga tggtaagat gctgctgttg 180
caaaaaatat ctttcagcgt tgcagcagtg gagagagttg gactggagag tttcctgtta 240
agaataaaat gggagagagg ttttcggttg tgactacgat ttctcctttt tatgatgatg 300
atggtttgct tattgggatt atatgtatca cgaatgattc ggcacttttt caacggccga 360
gagttcctcc cgctaaaaac angtggcaag aanggggatt caagcttttg cggggggact 420
aatggtgttg cttctangct tggttttgat tccaaagaaa ctggtgtgtc caaacttggg 480
ccttgattc 489

<210> 11197

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-007-Q1-E1-B12

<400> 11197

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tcgccatcgt cgctaccgat tgtcttgagg ttacgactt ttggactaat ctctctctgtg 120
gagagcaatg actaaaactc gtgggactga tatgacaaag aaaaagggtta aacatgtttc 180
tgaaatggat ttcaagactc atcagcatac tgaatttttc gataagttga tagagctcac 240
gcctgctaga ttctacttac ctgatgagac agaaaggaaa tggatatcaa ggtcttagca 300
aggctcaaaa agctagagcc aagaaaaaaa caaatgacaa cctaaagaag gcgaagagag 360
ataagttgga ccagagaag tctgctttga cgactctcga ttactgaag ggagaagata 420
gagaangaaa gattggcttc acagaagcag aagcttaaga agaaacacgc ggntta 476

<210> 11198

<211> 492

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-B2

<400> 11198

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ccagctttat ctctctcttt ttcacatccc atggctagat ggtgacgacg attcacgcat 120
aaactaggggt tccccacaa atcatcttac acgtatcctc tattccttcc ttcctttctc 180
cgtcatcatc atttttccca ccgacaacaa tctctcggag tttggatcaa taatggcggt 240
gaagtctagt tctgctgatg gtaaaaccag aagctctgtt cagatcttca ttgtgttttag 300
tttacgttgc ntcttttaca ttttgggagc atggcaacna agtgngtttt ggtaaaagga 360
gacagtattg ctcttgagat gaccaacagt gggagctgat tgcaacattg ttcctagctt 420
gaagttcgaa nactcatcnn gctnggcgaa atcaagtctg tttggtgctt tcngaagctg 480
caaaggggtca ag 492

<210> 11199
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-007-Q1-E1-B3

<400> 11199

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ttagattttg atatgtgtaa aacaaaattt tcatttttat atagaaaaaa ataattgtaa 120
gtaattataa atatcaaaaa gttagttact aactttcaaa accgtacttt atataataag 180
atatgaaaat tcaactaaaa attccataca actttaggca tatagagctt atttatacta 240
aaaccctaa aatatactaa aacaaactaa accagcaaga ctcatgttgc atgtgtcgtc 300
attttactgt gacgcatgag taagcagcac tgagagattt tagtcacnca catataanaa 360
tatgggtccat tgggtgtgga ttagtgtttc aaggagccat acaaaggatt gtatgtcact 420
gtgaaattgt atagccctcc taagtctaan aagtanaagg acttccccat catcctgtc 479

<210> 11200
<211> 470

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-B8

 <400> 11200

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cggagagatg caatcgattc gtggcagtac acggttgctt cagaggcatc gtttctccat 120
ctccaacact cttcgtttca cttcttcttc ttcttgtgga agctggctctg aaaatgaatc 180
cagaaaacta gggtttgatt cttgcccttc tagcagagct gcgacatata tcattagctc 240
gttgaaaaat gcaggctttt cctcttcagc tatacctaaa caaaacttta cgtatgcgtc 300
gaggtgtttt tccaccactg gagattcttc tgttcaagga tctcctgagt cagattgtgt 360
tgtgcctcac agaatcaagt ttaagcggct tgataaancc gctaagcata tnntgcagat 420
tgtanacaan gaaacggttg aggaagtga gacccctaga ggagatncct 470
  
```

<210> 11201
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-B9

 <400> 11201

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gcntggggcgg acgcgtgggt tcgcattgtt aattaaggte gccggacttt tggccactgt 120
caccgttgga gccaacgtag tttcctactc tcgtttccgt cgccagaatc tcgcgaagtt 180
tcgctctcca atcgacgaat ctaaagaagt tctcgtgat ttcaattcca ttgaacacga 240
ggaaggaaaa ttcttctttg ggtagctac tgcacctgct catgcggagg atgatttaga 300
tgatgcttgg ctccagtttg ctaaagaaac accatgttca gcagaagaag cagaggctgc 360
tgataagaaa gctangagga agaaggtaa gcttgctgtg ggagctataa ccaaangctt 420
ggccaagaac actcatggca aagaagataa gaatgcaact gataagccaa cctcctaaaa 480
atgttgccgc gtg 493
  
```

<210> 11202
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-007-Q1-E1-C1

<400> 11202

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gaagaaaaat aagataccac tcaccaaaaa cttcctcaaa actaacaat ggataactaat 60
aaagcaaaaa agcttaaagt tatgaaccaa ctcgttgaag gccatgactt aacaactcag 120
cttcagcaac tcctctetca acccggttcc ggtctagagg atctagtggc taaaatctta 180
gtgtgtttca ataacacat ctcggttctt gataccttcg aacctatctc ctctcctca 240
tcctcgcgcg cgttgaggg atctcaaaat gttcatgtg ataacgacgg caagtttgaa 300
gattccggcg atagtcggaa aagattggga cccgttaagg gtaaaagagg atgctacaaa 360
agaaaaaaga gatcggagac gtgtactata gagtcgacta tacttgagga cgcattttct 420
tgaggaaat atggacaa 438
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<210> 11203
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-007-Q1-E1-C10

<400> 11203

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tagccaaagc gttgacatct ctcggactaa ggaaagggtc aagtgatggt tgtggtccta 180
ccaaacgtcg ccgagtatgg gattattgcc cttggtatta tgtctgccgg tggagtcttc 240
tccggtgcaa atccgacggc tcttgtttcc gagatcaaga agcaagttga agcttccggt 300
gctagaggaa tcatcactga tgctactaac tatgaaaagg tgaaatcact aggtttaccg 360
gtgatagtgt taggtgaaga gaagatagaa ggagcagtaa actggaaaga tcttctagaa 420
acangaagac aaatgcggag ataccgacaa tgaaganatt cttcaagaca gatcttgtgc 480
acctcccttt tc 492
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<210> 11204
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-H6

 <400> 11204

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gcaaattgagg tattaccagc tgaaggagat aatgagatga tgatgggtgcc attggggggag  180
gagaagttta tggtaatgaa tgaacaaga aggaaacttg gaagttttca gatatgttca  240
gtttgtactt gttgtgggtg tgctaaaggt ctttgcttgc cttctccttg ttgctangct  300
attaantgna atatccctaa tanacccttt ggntactggt cnttcaactcc caaaacttgc  360
aattgctttg gttgccatat cngagatctt ctacttcatn gtaatttggg ag           412
  
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<210> 11205
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-E9

 <400> 11205

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aaagattcaa taattgagat tgatctcaaa accaaagctc tcgtgctctt gtcgttgatg  120
ttggttgtgt atactttgta tacaatgatg aanagtttgg cgaatgctgt tggagcgaag  180
acggcnaggg cttgcgacag ctgcgtgaag agacgtgcac ggtgggtactg cgcggccgac  240
gatgcttttc nttgccagtc ttgcnacagt ttggnccant cagcanaccc tcttgctcgc  300
ngccacgana gagtccgttt gaagacgggt ancccggnng tcataaagca tagcaaccac  360
tcatcaagct tctcctcnac atgaggtcnc cacgtggcat cacgggggttt actcgtaaag  420
ctcnaac                                           427
  
```

<210> 11206

<211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-006-Q1-E1-F10

 <400> 11206

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 tcgattccac cggacgttac agtggagaca ctgcagatct ccagcttgaa cgtatcaatg 180
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 actttgtctt tggtcagtct ggtgctggta ataattgggc taaagggtcat tacactgaag 360
 gtgctgaact tattgatgct gttcctgatg ttgttcgtaa agaagctgag aactgcgatt 420
 gccttcaa 428

<210> 11207
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-006-Q1-E1-F7

 <400> 11207

 ggattgcgtc actgtagtag tagtagtaat gtctcttctt cttctcttct gttgcttctt 60
 tacctctctt tctatttctc attctcatgg agcttcact attcacattt ctctactca 120
 gcctcccgca gcttcttcgg agaaaaccgg ttctgtaatg aaatttatag tagcagaggc 180
 accattatta ggacctgcag gtttcaacaa ccctcaagta attgaagttg cttcagtagc 240
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 aggatggaat atcagcaacc aacattactg ggcttcagtg agctatacag ctgttctctt 360
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<210> 11208
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-F8

<400> 11208

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gcaataatgg tgatgctgca gcacaaattg cacatgatgc tattcttga catagtcaat 180
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gggtaccctgt cactctcttc aacgagcttt attaccttaa ttcaggagga actctttgga 300
cagatggatc atccccagta catagcttgg caggagtcag agaaaagaag ttctcacttg 360
ataaatccca actcgggtcta aagaacgata tcgatgtacc gcatcaagaa tgatacagct 420
gt 422

<210> 11209

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-G10

<400> 11209

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ccatcgcagc cgagttgctt gaagaatata cggcggcgct cacacgcac accgccacac 180
tcctccctcc accacctaca agtcaccgtc gaagtgtccg agctcctact agcggccgag 240
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cttttctctt aaatttctga gtattttttt aatagacgaa gagattttcg aattttcttt 360
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aaaaaaaaa 430

<210> 11210

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-006-Q1-E1-G2

<400> 11210

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nnnnnnnnnn nnttttaagt ttctttataa ttctctaatac gagagaggga gattggcagt 120

gatgactcgg aaatttcaag ctcaacagac cggaattagg cgtttcttcc aatttattgg 180

ttgagtcgtt tctgtgtcga taaccccgct gatctgagcc ttctctctt ttcatttgat 240

tctgatttgt ttgcgttttc gaatttgaaa ttctctggta atcgatttat acgtttttat 300

cgattttgaa atcgggtgtt gcgctttttt aatgatgatg gggattttgg agattacgat 360

gaggatgtac agctccctct tctgattaag ctgaagagaa ntgctggcaa aatcgaac 418

<210> 11211

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-006-Q1-E1-G4

<400> 11211

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ctctctatct ctctctcgcc ccattctcta tcataatgac aggtgccaca ccggaaaacc 120

gaacggcccc gtgccacca ccggtgaaac atgtgccgga gtcagttctg ccggctaaac 180

caccaaagag gaacaattat gcattcgcgt gtgctatctt agcttccatg acttctatcc 240

tccttggtta tgatatagga gtgatgagt gagcaatgat ttatataaag agagatttga 300

agattaatga ttacaaatc gggattctcg ctggaagcct caacatctat tcacttatag 360

gatcttgccg cgccggaaga acctctgact ggattggctg gcgttacact atcgtgttgg 420

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<210> 11212

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-006-Q1-E1-G5

<400> 11212

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 tctctcagat ccttaccag atcaacatca tctttcaa at gcatttcaat caaagcttcc 180
 tcatccaagt ctcaagactc gaagctctca atcttcaa at ccacatgcgt cagcttcact 240
 gcggcagcag cactgttcct tgtgaatctc cagctcaa ac cttcaccggc gattgcggct 300
 cctgtggcgg cgacgccgtt aatggaatct ctcaaacaaa gtaacggaaa cgtttcattt 360
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<210> 11213
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-G6
 <400> 11213

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 aaacaagtcg gaggaacctg gatttacacc gatcatattg aaccgatcc attaacgctt 180
 gacccgaccc gatccgttgt tcattcgagc gtctatggat ctctccgaac taatctcccc 240
 cgtgagtgtg tgggatacag ggacttcccc ttcgtgattc gttccgatgt atcggaatct 300
 agagatccga ggaggtttcc gagtcattgt gaagttttgg cgtatttgca agatttcgct 360
 aaggagtttg cgattgagga gatgattcgg tttgatacgg cggttgtgaa ggttgctccg 420

<210> 11214
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-G7
 <400> 11214

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 ggtcgaactt cgagacgacg ctgaatgatc tacgctcact cgtaaaggct gcagatttcg 180

tggcgattga ccttgagatg actggcgtga caagcgctcc gtggcgagac tccttagagt 240
 tcgaccgcta cgacgtcaga tacctcaaag tcaaagactc cgccgagaaa ttcgccgtcg 300
 ttcagtttgg tgtctgtccc tttcgttggg attctcgtac tcagtcattc gtgtcctacc 360
 cgcacaattt ctttgtattt cctcgtcaag aactcacatt tgatcaacca gctcatg 417

<210> 11215
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-G9
 <400> 11215

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 ggctgaaagg cagttgcctg cagcccccga agttgccaca tcgaatgctg ctcttagtaa 180
 tggtaaacga ggtatcgatg atggtgagca ggggcctaata gcaaagaaaa tgcgtcttgg 240
 aatttcggct gaagttatca cagaactcac agattgtaat gctgctcttt ctacgcagcg 300
 taaaaagaga cagatcccta aaacattggc ttcagtcgat gctctggaga agttcaccca 360
 actctcaagc ccccccttc acaagaccaa caaacctgga attttttcaa tggacatcct 420
 acattctaag ggt 433

<210> 11216
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-H1
 <400> 11216

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 tctgatctcc gttaccgatg gagtctactg ctaacgcact cgtcgtcaag gtgagctatg 180
 gaggtgtgct taggcgtttc aggggtgcctg ttaaagctaa tggacagctt gatcttgaaa 240
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gtctgactta ctctgatgag gatggggatg tggttgccct tgttgatgac aacgatctct 360
 ttgatgttac taatcagcgt cttaagttct taaagatcaa tgtgaacgct ggcgtgtc 418

<210> 11217
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-006-Q1-E1-H12
 <400> 11217

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 aaggtattcc tgacaaaaaa gtattcttgg atgatgccgc acttttgta tttgcagaag 120
 ctattttcga tcaaaagttt tcaccagaag ttccggattc cacgtatcct tctttgaaag 180
 aaccagaaat gcatgttgcc gcaccatgtg tagtaacaga tcttctgct aaaaacatca 240
 aggtaaaaga aggtgaagta cataatgagc cctacacagc atctgatgtt tctatgaatc 300
 agaagagtgg tttattggaa ccagaatcta ctgaaagaac atttccctcg agcgggtggta 360
 ctgttacgat ttctccagat actcagaatt ctcttccaaa tgggtacaagt gttgaatcaa 420
 taagtatatg g 431

<210> 11218
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-H3
 <400> 11218

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 agggtttttg attcttcggg ttttctcgtg ctttgattcc tttcaagtca aagcaaagca 120
 ttaccttttc tcgtccatat cttttgacga cctaagtttc tgctgtgaat tgtaaacag 180
 ccatcagcct gggcttgatt agccaaccct gttaaggcag ggtttgaact aaaagtgaga 240
 tagtgagatg gatgtctcag cacttttaac gtctgctggg attaatatag cgatatgcgt 300
 agtgcttgta tcgctttatt ccattctacg aaagcagcca gcccaattatt gtgtttactt 360

tggtcgattg ctttctgacg gaagagttaa acgtcatgat cctcgttggt atgagang 418

<210> 11219
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-006-Q1-E1-H5

<400> 11219

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cattttctcc ttaacaatca ccctcatagt aactttaaaa ctctctgttt ctagtaattc 120
acacacaaaa tggctattaa actagcaatt ctatttacca catttgttct ttttagcctc 180
gccgacgcta gaatccccgg tatTTactcc ggcgggcgcat ggcaaaacgc acacgccact 240
ttttacggtg gcagcgacgc ctccggcaca atgggaggag cttgtggtta cggtaaccta 300
tacagccaag ggtacgggac caacacggct gctttgagta cggcgctggt taacaatggt 360
atgagttgtg gagcctgctt tgagcnaaaa tgcgccaacg angctcaatg gtgtcactc 419

<210> 11220
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-E6

<400> 11220

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gaagaggctc aaaacatcaa ggaaagggaa aaaagcatgg agggctaaca ttagctccga 120
ggacattgaa gatttcttcg agaaaactac cagagatgct ctctccggtg gcaatctctc 180
cgctgctccc agcgaagact tgttccacgt cgataaatcc catgaccttc cggatgaagc 240
aaagattgag aaacatagag agagagtgtt ccgtgttgac agtatcttaa agaagaatcc 300
atttgtccag ttagtgccat cttcaaagcc aaagttgaag aaaagtaaga agacaatcgt 360
tatagaagac aaagcaccta aacaagttca aaaaagtgtt ggtgacgatt ctgtaatggc 420
cg 422

<210> 11221
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-B8

<400> 11221

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 gactctaact ctgacaccgg agaacttagc tcgggtcttg gattccttcc acaaccttcc 180
 tatgaaataa cttcttttag atctccaact tccggaagat tctgcaatgg acgtcttatac 240
 gtcgattttc taatggaagc aattgatcga ccatatttga ggccttattt agattcgata 300
 antcgacaaa cttaccgaag aggctgcaat tttgctgcgg ctgcgtcaac gattcagaag 360
 gcaaatgctg catcctataa cccctttggt tttgnggttc aaagtcnctc aattcaa 417

<210> 11222
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-B9

<400> 11222

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 caagggaact ctaacgagac tctgttttct tcttacaaga tgggaagatt cgatctctct 120
 catcgagtgg ttctggcgcc gatgacgcgg tgcagggcgt tgaacggagt accaaacgcg 180
 gcgttggcag agtattatgc tcaacggacc actcccggcg gttttctcat ctccgaaggc 240
 accatggtct ctcccggatc cgcagggttc ccacatgtgc ctggaatcta ttcagatgaa 300
 caagtagaag catggaagca agttgtggaa gcagttcacg ctaaggaggg tttcatcttt 360
 tgtcaattat ggcatgttgg acgtgcttct catgcaatgt atcaacctaa tggagggttna 420
 ccaatatcgt 430

<210> 11223
 <211> 406

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-C1

 <400> 11223

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 ccctaggtgt atcaattcgt tcagattccc ggcggttggt ctactgtca ttaggtttg 120
 attcatcttc tcttctggat cttgagtgc gaagagagaa gagatctgag tttttctgag 180
 agagagattt ttctccctcg ttgacccgat cagttttttt tcgtcgctgg ggattttcaa 240
 attttttttg agggatcggg tttgatttgt tacgtanatg gcggattctt caccgatctc 300
 gtgtttcaaa ggaggcaa at tagtgctcc agggtttoga tttcatcaa ctgatgaaga 360
 gcttgtgatg tattatttga agaggaagat ttgtaggaag angctt 406

<210> 11224
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-C3

 <400> 11224

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 nnaacaccc atcaccatcg tcaccacttg gccaaagcaca actacaaaga tgctctcact 180
 aaatcaatcc tcttctttga aggccaaagg tcagggaac ttccttctaa ccagagaatg 240
 agttggagaa gagactctgg tctctctgat ggctctgctc ttcattgtga tttggttgga 300
 gggactatg atgcaggaga caatatcaaa tttggtttcc caaatggcat tcacaaccac 360
 aaatgctttc aagggagtgt aaattgaatt tcggtgggac tcaatgaaat ccggaattaa 420
 aaaaacgc 428

<210> 11225
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-C6

<400> 11225

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tgaattcaag cttcattatt tcaatactgt tggatgatatt gtagagagtt tgtatttgga 180
gaaagctggt gttaagtatc tagattgtga tggagattat aaatttgtgt tgcttacgat 240
tcatgtttcg gggaagttag ctgtgttttag gtcttgggat cgagcatgga ctgtgattaa 300
tgacatgcct tctccttatg atgatgtgat gttgttcgat ggacgtttct ttgcggttga 360
taacaacggg aggactgtgg gttgtggatt acagttcctt gaagttgacg ttggtt 416

<210> 11226

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-006-Q1-E1-C8

<400> 11226

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aacagaagaa aatggcaaaa gagaaagatc tggagaagca aatcggtcgtg tgcattggccg 120
gcttcttcaa catcttcgat cgtccagctc tctctctctc taataagcgt ctctcttctc 180
ctccgagcgc tgaatctgaa tctgcctcgt gtaggacgaa tcagcagagt gtgtactcta 240
ccctgagct acgctctctc gcgcgcgtc aacaaagann nnnnnnnnnn nnnnnnnnnn 300
nnnnnaggcc ttggaggttc tctaaagaag ctccgaggtc ctccctcgat agcagagccg 360
tcgtggatgc caagggtgc ctcaaacaca gacagattcg agccgatgcg gttgaggct 419

<210> 11227

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-D1

<400> 11227

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 aacaagattg cttcttttct acaagtttct ccattctcaa gcttccatta tctcaatctc 180
 caggacaaga atcctcaaac gggctctctca gaatctctct gtagctaaag ctgcttcagc 240
 tcaagctagt agtagtggtg gtgagagtgt tgctcaaaca tcagaaaaag atgtgttgaa 300
 ggctctgtct cagattattg atcctgattt tgggacagat attgtttctt gtgggtttgt 360
 gaaagatttg gggattaatg aagctttggg tgaggtttcg ttccgtttgg gagctgacaa 420

<210> 11228
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-D11
 <400> 11228

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 aatctgggac ctgggtactg ttcccaagct ccacctggat tcttattgat gtgaagctcg 120
 tataacttgt gaatcgatgc ggccttttta atttcgcttg ggatttctta ggtatttatt 180
 ctctgtatcc ggatctctat ctataatcg atcttgtacc tattgggtta gtactcttga 240
 tctgaatgta ataagaagcg tgtttttttt tttttaataa tttggaggag cttgtgtttt 300
 agttcgttga gatctcgctt gttccgaatg tgggtttant aagggtcttg aaaaagtctg 360
 caactttgaa ttangtgc ataccaagaaa tatatagaga ctgcttcnag ttcgtt 416

<210> 11229
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-D3
 <400> 11229

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 cccatgggtc gtgtgggaac gctctcttcc aggatgttgg cggcggaata cggcgccgat 120

atcacatacg gtgaagagat tattgatcat aagcttggtta aatgcgaacg ccgactcaat 180
 gttgcttctg ggacatctga gtttgtggag aaaggaacag ataatgtagt ctttagcaca 240
 tgtgatgaag aaaaaagtan ggttggtttt cagatgggaa cttctgatgc tgttanggct 300
 ctaaaggctt ctgaaaattg tgtgttaatg accttgcaaa ctattgntaa ttaatatggg 360
 gttgccccaa agggcaatct ccaatcccaa aggtgggaat ggtngctgc ctttggttaan 420
 gttaaacc 428

<210> 11230
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-D6

<400> 11230

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 cgtggaaatt attcaggttc agaggtctct ttgcccagaca tatgtttgaa gcctttggga 180
 gaggattgcg ccaactcagag tattctgcag tatttcaaga tggactctgg aacttttgat 240
 gattatggag gagttgagca tgctgagtac tgtttccagc attacacttc atcagagacg 300
 tgtttgagcg cttttcaggc gcctgttgat cctaagtgca atgttgggag gattctcggg 360
 gaataattac tcagaggcta ctgcgtttgt tgtaacatat ccagtcaaca acgtcatt 418

<210> 11231
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-E10

<400> 11231

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 cttgagactg ctttcaaaca agtttaagta ttcaacgctt ttcttttcaa gggaataaaa 180
 aaaaaaaaaa agggcg 196

<210> 11232
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-006-Q1-E1-E12

 <400> 11232

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 ttaagcagca gcaagcggcc ggcgttggtta tactgcttca gattatgatg ctcggtgcttt 120
 ccttcgttct cggccatgtc ctccgccgtc atcgattcca ctatcttcct gaagccagcg 180
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 a 421

<210> 11233
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-E2

 <400> 11233

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 aagctttaac atggagaaga aaaaaaagac gccataaaat taactatggt ttttaaaact 120
 ccttaaattg cggtaaattg gtgaaaaaag attgcggtag atttagcatt tatccagttt 180
 ttcaatacan aattagtaga ttcttttttt tacttttctt aaacaaataa ttaggattgt 240
 ttttttttgt caacaaatat taatttttgt ataaaagcan aannaaaatg acaatctggc 300
 aatcaaatta acgcgtctcc ttgtccccta accccacctg tatatatacn tctccgtctc 360
 ntctctttct ccttagcaga tgcttttggg aaaaaaata tntaccacag ataaaagatc 420
 tgatctgtct 430

<210> 11234
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-006-Q1-E1-E3

 <400> 11234

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 aattagggtta tggggagctg gtgctcaaag aagattgagt aaatctcatg ttttgggtatc 180
 tggaattaag ggcactgttg ctgagttttg taagaacatt gtgttggcag gagtaggtag 240
 tgtgactctg ttggatgata gattgggttac aacggaagtc ttcaacgcaa acttcttgat 300
 tcttcctgat gaaaatgctt atgtaggcaa aaccgtagct gagatttggt gtgattcact 360
 taaggatttt aaccctatgg ttcattgttc aatagagaaa ggtgatttgt c 411

<210> 11235
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-006-Q1-E1-E5

 <400> 11235

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 aacccaaacc taaaccggaa cccactgctg ataaaccggt acagccgccg ccgcagtcac 180
 aaactgagtc cgtgagcaag actgagcatg acgttgatgc taaattcggt ggcactaagg 240
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<210> 11236
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-006-Q1-E1-B4

<400> 11236

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tccggaagca tgagttgcgg aggccgagcg cactcangga atggcgggag tacgaagatg 180
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aacagcgtga ttcggttgaa tcnattgtca cggctaantt aagcggcttg ggaanctcct 300
tgaattgggn aagggattgg caagtttnag atgcttggtt gaatgcagat gatatgaaac 360
ttgttggaan tgccgtttan gtttcntaag gganagagtc ctttggncaa ctctcg 415

<210> 11237
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-G11

<400> 11237

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accggtaana cgagaagaag aggcaacggc ggatatcaag attcttacgg agaggctctc 120
tgcagctctt ttaaatgtca gtttaaaaga anatcttgnt aaacagcatg ctanagttgc 180
agaggaagct gtctcangtt gggaaaaggc agagaacgaa gctgcggctc tgaancaaca 240
gcttgatgct tctacaagta aggtttcggc tctcgaggat cgaaatagtc atcttgatag 300
tgcgcttang gaatgcgtga ggcaactctg gcaangaagg agaagagcan aatcagaaga 360
tcgaaagaag ctattaacaa taagatgcaa agaatgggaa actacaanat ctcaactt 418

<210> 11238
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-G2

<400> 11238

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 gacaaagcta ctatcagcct caaggctacg gagctgacac ttggtcttcc tggatcacan 360
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<210> 11239
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-G9

<400> 11239

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 gaaaaaaaa caaaattagg aatgaatcta tgagctactc aatcctgttt cgtcggattc 180
 gaattctaca ctctttctcc gtcgtttacc tctactacac ctacgttttc tcatgaagta 240
 atcgttcncg atctcagttt tcgtttttga tctaacttan tctttggata gatttagaaa 300
 tcggggattt tcagattggt gttttttgag aaggttttta tagggaaaat aatcccctaa 360
 gaaagaaaga aggaaataaa nnttaatna ntggaaatttt taaatttttg ggggtgaaga 420
 angaagttcc aaaaaagtna aaa 443

<210> 11240
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-H11

<400> 11240

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gatcccgata gcttcgaatg gccgtttcag tacgacgatg ctcgacctat cctcgactgg 180
atctgttcct ctcttcgtec ttccaatgtc ctctctctcg ccgaactatc actatatgag 240
caanttcaac gagatgggaa actcttagag ggcnatgatc tagaccaggc atatgatanc 300
atatcagcat tttcttccag gaaganataa ccaggaaggc cgtttttgga agcaanaana 360
nnagcattaa agangtnagg agatgcaach ttggcgcata aggctgaaac cttagagttg 420
cagaag 426

<210> 11241
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-H3
<400> 11241

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aacacaaaaa tgaagtgtcc gtactgttca tcggcgagg gacggtgtac caccacgagc 120
tccggtagat caataacgga gtgctcatct tgcggctcgg taatggaaga acgacagacg 180
caaaaccacc acctcttcca tctccgagcc caagacactc ctctctgctt agtcacttcc 240
gatctccaaa cggcgggcgca accgtctcct gaagacgagg aagatccgtt cgaacctacc 300
ggattcatta ccgccttctc tacctgggtc ctcgagccaa gcccgatttt cgctcgctct 360
tccctctctt tctccgggtc tctcgctgaa ctcgaacgaa ccctagaact cgcttcgtca 420
acatcgaatt cgaattcgtc gactgttgtg gtggataatc ttanggctta tatgcagatt 480
tattc 484

<210> 11242
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-H7
<400> 11242

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 gtaaataatga agaagatggt catgctaaca atcacactag tgtgtgggga tcatattgga 120
 aagatcatca atggggatat aaatgttgcc agcagatcat tcgcaatagt tactgcacag 180
 gttctgctgg aattgaagct gcagaggctg cccttgatct gatgaangct aatattgctc 240
 gcaaagaagc aactgaanag agcccaaana aggttgaaga gaagagaatg gcgtcatggg 300
 gaactgatat tcctgaagat ttggagttga acgaggaggc acttgctaata gctcttaaaa 360
 aggaggatct cagtaggagg gaagagaaaag atgagangaa acgcaaatac aatgtcaaat 420
 acaaca 426

<210> 11243
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-A10

<400> 11243

ttacgttgcc ngtgccggtc caaaaattaa cgggtcgacc cacgcgtccg agactacacc 60
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 ggtcgactc ttggccgtcc agatggtatt ctcatcaacg gaaagtccgg gaaaggcgat 180
 ggatccgatg cacctctctt taccttgaaa cctggaaaga cctacagggt taggatctgc 240
 aacgtgggtc tcaagacatc tcttaacttt aggattcaga atcacaagtt gaagcttggt 300
 gagatggaag gatcgacgt tctccagaac gattatgact ctctcgacgt tcacgttggt 360
 cagtgttacg gaaccatcct taccgctaata caggaagcta aagattacta catgggtgca 420
 tcctetaagt tcttgaagtc cgttataacc ancaactggc ctctccgcta tnaaggaagc 480
 aaaag 485

<210> 11244
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-A12

<400> 11244

gccgggtccaa anattaacgg gtcgacncac gcgtccgnnt gacgcgtggg cttacaagcg 60
cgctagaatc tgaatctggc catggcgaag attcgagtct ttcgtggtct atttcccgt 120
cacgctcccg ctccagttca agatcatcgt cgtcttcttc ttattcttct ccaatttgat 180
taattagaga ttggatttgg cgatttttgg gaaatcattc atgttcaact tgcgatagat 240
cgagctgcta atctttcaag aggagatgca tatgttgaat tcaaggcaaa aatagctgat 300
gctgagaaac cacagctgta catggatggg gtatgtttca agtgatccaa agggagatgc 360
tttaaaatct gataatgttg gtactgacat tgagaaatat gataatcacc tctgcctaag 420
aattggtggg ttaaccata cgcaaggcaa atgtctcct ctaaccgggc gttt 474

<210> 11245

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-A3

<400> 11245

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aagagagtag aagatattgg tcaagaggat gcttggttta agaacaacac tcaacaaaaa 120
caagttgagg tttctgttac acctggtggg cgatggaata gattcaagac ttactcaact 180
attcaaagaa cattggagat ttggggtttt gttgtacagt ttattttcag gacttggtta 240
agcaataaga agttctctta taaaggggga atgactgaag agaagaaggt ttaagaagg 300
aangttttgg ctaagtgggt gaaagaaaac attttgagat tangtcctac atttatcaaa 360
attgggcaac agttctctac tacagtggta ttcctcctca agagtagttg tca 413

<210> 11246

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-A4

<400> 11246

actcgaaaaa tggctcagat tcagcatcag ggtcaaaatg ccaatggtgg tgtagctgtt 60
cccgtgtctg ctgcggctga agctgcggcg gctgccgctg gagctgcggc ggcngctgcc 120
ggagctgcgc aacaaggac gacgtcttta tatgtcngtg atctgggatg cgaccgtgac 180
ggattcacag ctgtttgang cgtttacca aacgggtcaa gtggtttctg tccgtgtctg 240
caaagacatg acgactccga gatntcnaag ctatggctac gttaactaat gcaactcctc 300
aaagatgcnt ccaanggcac tgaantgagc ttaatttcaa gggtcctaa atgggaaggg 360
ctataaaaaa nttaatgtat tcccgttcn ggatttcaa atctcccgtt aaaaaac 417

<210> 11247
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-A7
<400> 11247

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tggcatcatc cggcttctat aaggagcgtt ggccagcttc gtcgtttttt ctagtcgtcc 120
gggtgatgag gttcgtatca cgtttaatat tcgctgtttg gttattataa atccagtaga 180
tccggttang tctctacttt tgttcaatta tttcgaggat taatanttct gtcgccgttg 240
cctctaaciaa gggtatgtgt tgatagcttt gttggatcta natgtttctt tcgatttaag 300
ttgtcaagac agttctgcgc ctaagttagc tggtaaaaag ctcagtatat tgatgttttg 360
tcctccatac tccgtgattg ccagaatcgg tgagaaaaaa gaagattcng 410

<210> 11248
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-005-Q1-E1-A9
<400> 11248

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tatcacagaa ctccggcgcca ttattgtctt catogcttcg tttatctatc tcctagggtt 120

ttttgggtatt gactttgttc agtcatttat ctcacgtgcc tctgggtgatg cttgggatct 180
 cgccgatacg atcgatgatg atgaccaccg ccttgtcacg tgctctccac cgactccgat 240
 cgtttccggt gctaaattac ctaatccgga acctattgtt accgaatcgc ttcttgagga 300
 agacgaggag attgtgaaat cggttatcga cggagttatt ccatcgtact cgcttgaatc 360
 tcgtctcggg gattgcaaaa gaacggcgtc nattcgtcgt gaggcgttgc aaaanagtca 420
 ccgggagatt attgaaaggg t 441

<210> 11249
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-B1
 <400> 11249

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 gcgacaaaga cgaagaagcc gaggaagcac cgatacgacg attgagactt agttttgctc 120
 agattcattt aaccaccggc gccaaagtac gacgacgacg gagggagcag attcgaattg 180
 tgtgaagaca gcaatggagt ctactgagtc atatgcccga ggttcaccgg aagagctggc 240
 taagagatcc cctgaaccgc atgattcttc cgaagctgat tctgctgaga agccaacaca 300
 cattcggttt cttgtatcca atgcggcagc tggttccgtc attgggaaag gtggctcgac 360
 catcactgaa ttccaggcaa antctggggg caaggtnac ctttcacnta accaaangtt 420
 tttcccgggg nacnaactga cagaattatt atganatcgg gattaacca 469

<210> 11250
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-005-Q1-E1-B12
 <400> 11250

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 ttcttggaac caatctgctc tcttttttat tctgagtttg acaatggcgg ttggtgaggt 120

catgaggatg gagattcccg ccggtggaga ttgactgtt actantccgg agttgcatgt 180
 tcntgccgtc natgatanta ntgtggatng taaagtcac naaangttgc ttaaaatctc 240
 ttcntgtaaa gtgacgactg tagagagtgg aactanggct ttgcantatc ttggottana 300
 tggaggcaaa ggggcttcta atcttaagga tttgaagggtg aatttgatag tgacggatta 360
 ctcaatgccg ggactttcag gatatgatct ccttaaaaag attaaggaat cttcagcatt 420
 cagagaagta ccagtagtga ttatgtcatc tgagaacatc ttacctcgta tacaagaatg 480
 tccaaa 486

<210> 11251
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-G1
 <400> 11251

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 caagtcaatt aaagcactcc aatgggtccaa caagtttctg cgtctacctt gaaactcaac 120
 ctttggatga ttgatataca aaaatacagg atctaaaaac acctaccgaa cttgaatagt 180
 aggtgtgttg tgtttgagtg tctctctagg taaacatggt agcagaagaa gcaagaaaag 240
 aagccatggc taaatcagta tctggcggga agattactta ttttgtgggt gttcatgtg 300
 tcatggccgc catgggcggt gtcattctcg gctacgacat cggggtttca ggtggagtga 360
 tgtcaatggg gccatttcta aaaagatttt tcccaaaagt gtataagctc caagaagaag 420
 atagaagaaa gaagaggcaa tagcaataan cactactgcc ttttcaata 469

<210> 11252
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-D7
 <400> 11252

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tggaggaagc tgaaagcaca gtcatgtcta tgccattctc accagacggg gtcatatggg 120
gaacattggt gagctcatgc atgacccatg gggagtttga gatgggaatt cgaatggcag 180
aacgtgcggt tgctagtgat ccgcagaacg atgggtatta tataatgctt gcgaacatgt 240
acagtgctgc aggtaagtgg gaagaagcgg aaagggcacg agagatgatg agggaaagcg 300
gagttggtaa gagagctggt catagtgtag tctaataatc tttgatacaa tgaatatcct 360
tgtgattcat ctgtttgaaa cacatgttca atggacaatg atgcatagat tanaagatta 420

<210> 11253
<211> 476
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-E1
<400> 11253

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tgagagtccg tacgcatcga cgattctctc atcttctctc aaacacgacg aactggggtt 120
ggtaaattag agttgaaaga tgtacaacgg aataggggtta cagacagcaa gaggatcagg 180
aactaatggt tatgttcaga cgaataagtt ttttgtgaga cctagaaatg gtggtaagcc 240
tgttaaaggt gggaaaggtt ttgaggatga tgaaggtact gctggtttat ctaagaaacc 300
caataaagct atccttgagc atgaccgtaa acgtcagatt catcttaagc ttgctattct 360
tgaggataag cttgctgatc agggttattc tgatattgag attgctcaga agcttgagga 420
agctagagtg agtcttgaag ctgctgctgc tgctaataa gaagagagtg attcna 476

<210> 11254
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-E12
<400> 11254

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aacaaacttg ccattcgtca ccgcagaaaa caagtttgaa gctctggctg cacacgatgc 120

ttgtgttgaa acaagtggat ctcttaacac aatcgccaca tcattgatga agattgccaa 180
 tgatatacgt tttcttgga gttgtccaag atgtggtctt ggtgaacttt ctctgctga 240
 gaatgaacca ggaagcagta ttatgcctgn aaaggtaa at cctacacagt gtgaggcctt 300
 gactatgggt tgtgctcaag ttatggggaa accatgtagc cgtgacaatt ggtgggtcga 360
 atgggtcattt tgaattgaat gtattcaagc cggttatcgc aagcgctctc ttacattcca 420
 attanacta 429

<210> 11255
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-E2
 <400> 11255

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 ntatcctctc tctcaa atcg cggagtctcc gaagtttctc tgtcagacaa aatgcagtcg 120
 tcaacgtatg cggttaaagg aaacgctgcg tttgcgtttc agagacggac cttctcttct 180
 gacagatcga cgacttctac cggaattcgc ttcgctgggt ataagagctt agccaccacc 240
 gggccactct actgttctgg ttctgaagcc atgggagcga cgcttgctcg tgctgataac 300
 gggatccaga gcgttatgag tttctcttct gtcaaagctc gatcgggtcag agctcaagcc 360
 tcatctgatg gagatgaaga agaagctata cctctgagat ctgaagggaa aagctctgga 420
 acagttttgc cttttgttgg tgttgcttgt cttggtgcta tactccttgg gtaacatcgc 480
 n 481

<210> 11256
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-E3
 <400> 11256

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gttgaacaac ttgcaactac ttatgtgact gtccaagagc tattatacgc cctacaattt 120
 gttgtttttc aagtcacacc cgctattcaa gaaggctcctt atccaaggag acagtcgatt 180
 ctgagtcgga agaagagggtt gttgatctaa atcctcacta ggtgggtccg ttttaagctta 240
 gcaacgcaa agatctagac aataattgca agttaccgcg ttgatcctat cttccgtccc 300
 gaagccgtcc ttgatccagc ccangatgtt ttgtggtcag atgacaaagt agatccacgg 360
 ggtatatatt atggtaaagt tggcgggcga aggattgaag ttcaataatg atatgttttc 420
 tgggtgggttg catcccatct gaagtgggta tagcccccac aaacaaaa 468

<210> 11257
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-E4
 <400> 11257

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 atcagaacca tcaacttagg atcgatcaag ttctccggca cgatcaaggt ctttacagca 180
 agatcnggtc acacgtggcg agatccgacg gcgttgacgg tggtgagagc ttttaagcgtg 240
 atatganaga gcttcaggag cttttctcta agcttaatcc tatggctgaa gagtttggtc 300
 ctctttctct gaataaacia ggaggtaacn gtgttaacng tggtttctc acctctgct 360
 ggttntctct tccgcaacia atggctttgc tgggtacngga aatggcggtat acgggtaacg 420
 aaaaacggtg gtttccgacg ganaaagatt tttgggcaan gggaaa 466

<210> 11258
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-E6
 <400> 11258

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntggcaa gagttcaact attggttatgc 120
 ttcaccattc tatttgcac tgtgaccctt cttgacctag tatcagcaca cctgaaattt 180
 aagccatctt tgcctcaaat cgaagatcca aagacggtga aggatgtaga gccttacacc 240
 gttaaagtag taatggtctt tgtggccgac ctcgagaagg aatgtcccaa gacaaacaag 300
 ttcaaggcct tctttgagaa acttagagga ttcgccaagt atgtttgccc aataggaagg 360
 attggccaag tagattacga ccgggacatg aaggccaaag ccgggggtat cttcaaggcc 420
 atatcttctt ttgcgattgg aaagattang ggaggaaatt c 461

<210> 11259
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-F10

 <400> 11259

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 tccttcttga agacattaat gatcttcttg agatagggaa gcgcatacga cgctcgcttga 180
 caggtaagtt gttttcttgc ttcattgtgt gctttgctta ttgtgttctt gccttgtgtt 240
 ttctggaatt ttgatgttgt ggctcctgta gttgaggaag aacctaggaa gaggaagagg 300
 aagaatttga tcctggctga gttactatag cttggggctn agtaataang ggangaaatg 360
 tgtagttag ctttgtnttt gttttgtgtg cactactaaa actctgtgtt gtccctttgt 420
 t 421

<210> 11260
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-F11

 <400> 11260

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 attactggac aacttctctc cagcttctga tctatgagtt tctctctggt gggagtttat 180
 acaaacagtt gcacgaagca ccaggaggta atagttcgct ttcttggaat gatcggttca 240
 acattatcct tggtagacgg aaatgcttag cttacttgca ccaatcaaac atcatccact 300
 acaacatcaa atcgagcaac gtgttgctag acagctctgg tgagcctaaa gtangagact 360
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<210> 11261
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-F12
 <400> 11261

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 acatctgagg ataaaccgga aatcatcagt agagtagttc atcaggaggg tgacgtggaa 120
 atcgtagata gaagtcagaa ggataaggac gaggaaaaag aagangggaa aggtggattc 180
 ctcgataagg tgaaagattt cantcatgac attggtgaga aactcnaggg aaccattggc 240
 tttgggaagc caactgctgn tgcncctgcn attcatatcc ctaagatcan tcntgagann 300
 ggcagntatt gttgtggntg tgcttgtcaa gancccgaaat ccaagttcct atcctctcat 360
 ngatgtcaan tacctggtcg acanccatgg ggagggaaac tgggnntcgg ggt 413

<210> 11262
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-F3
 <400> 11262

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 cgatgcattt tcccggcacg tgactgttct gtcacttcca agctcgaacc ttaccggcac 180

actacettca aatttgggtt cactcaattc acttcaaaga cttgatcttt ccaacaattc 240
catcaatggg tctttcccg tttcgcttct caacgcgacg gagcttcgat ttcttgatct 300
gtccgataat cacatctccg gtgcactacc ggcgagtttt ggcgcgcttt cgaacctcca 360
agtgttgaat ctctccgata attccttcgt cggcgaatta ccgaacacat taggatggaa 420
ccggaactta acggagattt cacttcagaa aaactattta tccgggcgg 469

<210> 11263
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-F4

<400> 11263

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cataaactag taatatcatc caatcctctc acttcttctt tattcctca ctttcaactct 180
cactatctgt tgacttcaca tggtttccac cgccgcaact gcagctcttt cgatcatcaa 240
atccaccggt ggcgcgcgcg ttacacgctc ctcccgcgcc tcttttgga acattccctc 300
cacatctgtc tccgcacgct gccttggtt ctccgcgctc gttgactctc gtttctcggt 360
ccacgtggcg tccaaggtcc actccgtgcg cggaaagggc gccaggggag tgattacgat 420
ggcgaagaag agtggtggag atctgaattc tgtagatttg aaggggaaga agtggttgtt 480
agagctg 487

<210> 11264
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-F8

<400> 11264

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atagctgatt ctgaattctt tggcaagttg gacccttcaa ttcgtgatgc acatgagtca 180
 cggggccattt tgaaaagcta tgtggtggct ggatcagaca ctgccaatcc agaaaaattt 240
 ctggcgtaca tggttccttc cttgggatgag ttgtctaagg atatccatga tgaaaacgaa 300
 gaaatctctt acacttgggt tcgcgaatac ctctgggatg tacaacccaa tgcaaacgat 360
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 angttg 426

<210> 11265
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-004-Q1-E1-D6
 <400> 11265

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 gtttatggct acatgaattt caccaagagt ggtttcttag atcattcaaa gaagtttaaa 180
 cctgaagata tgcagttaca aattgaagga aagaattgtg tagttactgg agctaattca 240
 ggtattggtt ttgctgctgc agagggtctt gcttcacgtg gagcaactgt ttacatggtg 300
 tgccggaaca aggaaagagg acaagaggct ctttctaaga ttcaaactc aacaggaaac 360
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 tcga 424

<210> 11266
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB24-004-Q1-E1-A6
 <400> 11266

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 aagtgcctat gatctcgcgt cgaatcttgg tgggaagatc gataaatccg atgttctcac 180

cgccgtcgaa aagtatgagc aatatcatgt cttccatgga ggaaacgagg aagagagaaa 240
agccaattat actgacatgg ttaataagta ctatgacctt gctactagct tttatgagta 300
cggatgggga gaatccttcc attttgcaca aagatggaaa ggagaatcgc ttcgagagag 360
tattaagcga cacgagcact ttcttgctct tcagcttggc atcccaacca ggacaaaagg 420
gtactgg 427

<210> 11267
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-B1

<400> 11267

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gatgcattct cccggcacgt gactgttctg tcacttccaa gctcgaacct taccggcaca 180
ctaccttcaa atttgggttc actcaattca cttcaaagac ttgatcttcc caacaattcc 240
atcaatgggt ctttcccggt ttcgcttctc aacgcgacgg agcttcgatt tcttgatctg 300
tccgataatc acatctccgg tgcactaccg gcgagttttg gcgcgcttcc gaacctccaa 360
gtgttgaatc tctccgataa ttccttcgtc ggcgaattan cgaacacant angatggaac 420
cggaacttaa cgagatttcc acntcagaan aaactattta tccgggnggg a 471

<210> 11268
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-B12

<400> 11268

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cggaccaatt cgacagttat agcattgaag aaaaaaagca aaaggtttca ttcttcaatt 120
ggtggatgtt tagctcttcc ttaggcgcgt tgtttgcgac attggggctc gtctacatcc 180

aagagaatct cggatggggt ttaggttatg gcatccctac cgtaggactc ttggtttctc 240
 tcgttggtgt ctatatggga acaccatttt acaggcataa ggttatcaaa acagacaatt 300
 tggcgaaaga tttgggtcaa gttcctatcg cggcattcaa aaacngaaag cttcagtgtc 360
 ctgatgacca cttgggagct ttatgaactt gactctcatt attacanaaa caatgggaaa 420
 gc 422

<210> 11269
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-B3

<400> 11269

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 aagcgaatga aaccggttgc ttatctcaag ctctaacagt tgttgctatg ctgtcagcag 180
 agacaactct tcttctgtct aggagtaaac ccagtgaaaa gaagaggaaa catgatgaag 240
 attctaactct tctaataatgga tccggatatg gtgatcacat tcaactgcta cagattttcg 300
 aatcttggga ccgtactaat tatgatcctg tatggtgcaa agagaacggc atgcaggtgc 360
 gagggatggt gtttgtcaaa gatgtagaa gacagttatg tcagattatg cagaaaatat 420
 ccaaagatcg attggaagtt ggggcaatgg tangaagagt tcaagccgag ac 472

<210> 11270
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-B4

<400> 11270

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 tggtttgaga tctatgtctt catggtggaa gagcgttgag cctgtctcta aagatccgat 180

cctcggagtt accgaagctt ttctcgetga tcctagtcct gaaaaagtta atgttggtgt 240
 gggagcatat cgtgatgata atgggaagcc tggtgtcttg gaatgtgtca gagaagctga 300
 gaaaaggctt gctgggagca ctttcatgga gtaccttcct atgggaggaa gtgccaaaat 360
 ggtggaccta acattgaagc ttgcctatgg ggacaatagt gaatttatca aagataaaag 420
 aattgctgca gttcagactc tgtctggcac tgggagcctg ccgg 464

<210> 11271
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-B6

<400> 11271

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
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 nnng 424

<210> 11272
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-004-Q1-E1-B7

<400> 11272

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 actagacgag gccaaagaagt tggaaccggg actgttctag atctcatact agtcagctca 180

ggtccatccc gaaaccacac ccaactgtcca acctgtgttc cacctaacga aggtcacggt 240
 gttgtttcct catgccttaa ctgtttccta gccggtgggtg tcttgtaccg gtttgagtac 300
 tcagtcaacg ctgctcactt cctcgtcaaa gccagaggag gaacttgac actcgtgtgc 360
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 tg 422

<210> 11273
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-B9
 <400> 11273

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 ggaatcctct gaaacagggg atgagaatgg ctctctgat tatgactctg aatcttctaa 120
 tggttcggat tttagcagtg aaggatga aagaacagtg tctaatacag ccaatgaccc 180
 agctgctcct ttaattcaaa tttcagagac ttctgtttcc gctgaccagg aagaactaag 240
 gtccagaagg gccctggatt tgtggttaga tgatcagcct agtacatcaa accaaactcc 300
 atctgcatta aatagtaatc agagctctta tgcaagata tccattgggtg atgtaggaag 360
 ccgagttaag cctaaaagct atagtctcgt agancctgga aatggcaatt ggttgaa 417

<210> 11274
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-004-Q1-E1-C1
 <400> 11274

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 ggtgatgatc gtggaacaga aggtgacttt ctaggtagct tttgtctgga aagaaagatt 120
 gatctaacag gatacataaa gtggtgggga gccacaaga accgtcaacc agaattctca 180
 tcaaaagcat cagaggatgc aaacgtcgaa gatgctggtg ctgagcttaa aacactggaa 240

cacacatccc atgcaacaga accatacaag gcgccaaacc ttggcgtcct ttgtggaact 300
cagagaaaag aaaaagaaat atcatcacca tcaagctctt ctgctttaag catcttgtct 360
cagtcgcctg ccttcaagag cctagaggag aaagtgttga agattcaaga aagctgcaat 420
aatgaaaacg atgagaatgc anaccgtaac 450

<210> 11275
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-C10
<400> 11275

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cttatgtatc catggttcgc aacaggccat atgaccccggt tcctttttct tgccaacaaa 120
ttggctgaga aaggtcatac ggtcactttt ttgattccca agaaagctct gaaacagttg 180
gaaaatctca atctgtttcc acacaacatt gtctttcgtc ctgtcaccgt ccctcatgtg 240
gatggtctcc ccgttggcac agagacagtc tctgagatcc ccgtgacatc agctgatctc 300
ttgatgtctg ctatggatct cacacgtgat caagttgaag gtgtgggtccg agccgtggaa 360
ccggacctga tcttctttga ctccgctcat tggattccan 400

<210> 11276
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-C11
<400> 11276

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caatgaaaag acatgtgaat gtgaagtgtt gcaagaagaa gttgcaaatac taaagcagca 120
gctctctgag gccctggaac tagcacaggg aactaagatt aaagagctga aacaagacgc 180
caaggaacta agtgaatcaa aggagcagtt agaactcaga aacaggaaac ttgcagaaga 240
gagttcatat gcaaaaggtc ttgcatcagc agctgcagtt gagctcaagg cattatccga 300

agaagttgca aagcttatga atcagaacga gagactagca gctgagctgg caacacagaa 360
gagcccaatc gcacaacgaa ataaagacag gaacaacaac anatgttagg aaca 414

<210> 11277
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-C3

<400> 11277

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tttgctcaga ttcatttaac caccggcgcc aagtgcgac gacgacggag ggagcagatt 180
cgaatttgtt gaagacagca atggagtcta ctgagtcata tgccggcagg tcaccggaag 240
agctggctaa gagatccctt gaaccgcatg attcttccga agctgattct gctgagaagc 300
caacacacat tcggtttctt gtatccaatg cggcagctgg ttccgtcatt gggaaagggtg 360
gctcgaccat cactgaattt caggcaaaaag tctggggcaa ggattcagct ttcacgtaat 420
caagagtttt tcccggggac gactgacaga attantatg 459

<210> 11278
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-D10

<400> 11278

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cgtctctgtc atcgagtaca cgatgaaaaa ccacgaggga ggttccaatt cgaggggtcc 120
gaagaattac gctgtgattt ttgatgctgg aagttctgga agccgtgtgc atgtttactg 180
tttcgatcag aatttggatc ttgttctttt ggagaatgag ctcgagctct tcttacagct 240
aaaaccgggt ttaagtgcac atcctaataga tcctcggnaa tcaacaaact ctttaataac 300
tcntctggac aaagnagaag cttcccgttc ccctnagtt tgngtccaaa gactcctgtc 360

aaagttgggg caactgcncg gtttagaacc ttggggncac aa

402

<210> 11279
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-D11

<400> 11279

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gacctctctt ttaacaatct ctctctctct gttttcttcg atccgttgta ggagaaaatg 120
gtcgttatca acagtctccg acgcttggcg cgtaccactc aggttcattt gcacagtaag 180
tatgccactt gcatgtctgg gaactccact tccaggagga ttttactac tgaggcagca 240
cctgagaaga aaaacactgt tgggtctaaa gggcatgata tgcttgcacc ttttactgct 300
ggatggcana gtgctgattt agatccttgg tcattgcaaa agtctgaggg aagttatgtg 360
tatgatgata ctgggaaaaa atatcttgac tctctcgccg gggttaaggg gt 412

<210> 11280
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-004-Q1-E1-A5

<400> 11280

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ttaagtatat tcttggtgct catcaccaaa gcttgatgat gaggctctct tcttgagttc 120
ttcttcttcc tccattgtag cgtcaaacia gcttactagg ttacacaacc attgtgtctg 180
gtctacagtg attagagata agaaaagggt cgggtccact tgggtgccgtg taggtggtgg 240
tgggtgatggt gggagaaaca gtaacgcaga gaggcctatt cgggtttctt cgcttttgaa 300
agacagaggt cagggtactga ttagggaaca gagttcgccg gctatggatg ctgagacatt 360
ggttctgtct ccaaacggga atgggagaac cattgagatc aatggagtaa agactttgat 420
gcctt 425

<210> 11281
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-F2

 <400> 11281

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attttcaaaa tttgaactcc tagaaaaccc tagcctttgc aattgggtgc tacatcttcc  120
aaatcgttcc gggatcgaaa tctctcgaat tggggacgtt gtacattgca cacgatgggc  180
gatttcaacc tcgtctcgtt gattgtcgcg atcgttgttt gcgtcatcgt attcatctct  240
agcatctatc ttctcgtcaa ctatcagcat ccagatgatg caaaccaggc ttatttcccc  300
aaattcgtcg ttgtttttgg cttttctatt gctatgatct cgattctcat gttaccggct  360
gatgtggcca atcggcatgc ttgtcgacat gctatataca atggagcttg caatctcaac  420
ttgcccata gaangatttttg ggcttgc                                     447
  
```

<210> 11282
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-F5

 <400> 11282

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aaaagaacca aggaacttac aactttctct agttgcccat tgatttcaag aacaaatgca  180
atgtgggcta tgcattcatc aacatgctca atccagaact catcattcca ttttatgagg  240
cttttaatgg gaagaagtgg gagaagttca acagtgagaa agtagcttca ttggcatatg  300
ctcggataca aggaaaatct gcccttatag cccattttca gaactcaagc ttgatgaatg  360
aagatatgcy ttgtcgtcca attatcttcg aactcccaa caatccagag tctgttgaac  420
aggttgttga tgaggaatct aagaatatgg acctcctcga ctctcagctc                                     470
  
```

<210> 11283
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-F6

 <400> 11283

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 tcctaggggtt tcgatctgaa accttgcgat ctacttgaaa gagagattca gaaatttcca 180
 agtaataata atgtttgctc ctgcgactca accgcaacag caacatgagc agaagaagca 240
 atcagagact gtttcacatctg ctgaagaaga tgctttgaag tggaacacgg attgcgttta 300
 ctttctcgtc tctcctttta cctgcaagaa gggacctgaa tgcgagtatc gccacagtga 360
 gtatgcgcgt atgaaccoga nggattgcta ttattgggtg aatggaaact gtttgatccc 420
 aaatgt 426

<210> 11284
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-F9

 <400> 11284

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 ttgggatgtg gaggattacc caatnncagc tgatctccat cctcgttcga tccggcggag 180
 aatcgtaaag gatgtgaaga aatatggttg tgatgcggag gtgtcgattc atgcttatgc 240
 taatgataat acgggtctcg taacaatgag gcgtaattt tcggctgctg gaatcaaatt 300
 ggaagtgttc acccaagcag gggataaata tgcaagaca ttgttccttg tatggtgaca 360
 ttatgctgtg gtcactggga aaatcctcca ccatcaaata ttattgtcat cgcaaaaata 420
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<210> 11285
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-G1

<400> 11285

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agannaanag ggnaaaattg cgaaatggag aatctgagct gcagatctgc gtcaatctcc 180
atctagatgt tggtgctact tcttcctcta tagaaccata atttcatcan atctcgtgta 240
ttaatcatcc ccatttggat ctgatcgaaa ctcttaggga anaacatggc aggagctgcc 300
tccgcgctgt ttctgcttga tatcaaggga cgcgttctcg tctggcgtga ttatcgtggc 360
gatgtctccg ctgctcaagc cgagcgattc ttcantaanc tcatcgagaa agaggggtgat 420
tcacagtcan gatgatcaag ttgctta 447
  
```

<210> 11286
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-G10

<400> 11286

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agcttttgat ttggtacatt gttcaagatg tagaatcaac tgggactcgt gatgatggga 180
tctgtctcct tgaagttaat aggatgcttc gtgccggagg atattttgtt tgggcagcac 240
aacctgtata taagcatgaa aaggcttggg agaacagtgg gaagagatgc taaacctgac 300
cactangctg tgctgggttc ttgtaaagaa ggaaggatat atagctatct ggcagaagcc 360
tgtaaataac acttggtacc taagtcgtgg tgctggagtc agtcctcctt tgtgcaaatt 420
ctgaagatga cccagataat gtttgggnacn tggatttttna aggcattgat cccataana 480
  
```


ttaagaa

487

<210> 11287
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-G2

<400> 11287

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ctttcaagct tccatgaggt ttcttgtcag gatgatggta gtggtttgag taatttggat 180
ctaatagaac gtgattatca agatagtgtc aatgctcttc aaggcaagga cgatgaanat 240
cagtctgcaa agatacagag tgaaaaccag aataacacta cagtgactga taagaacact 300
atctctctat ctctatcaga tgaatctgag gttggatctg ttagtgatga aagcgttgga 360
cgttcgagtc tgttggatna aatcaaactt gaattcgaag ctcatcacia tagtattaac 420
caaactggga tctgatgggt gtcaatggct gaatccangg gatgatgatg aaggaatta 479

<210> 11288
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-002-Q1-E1-G5

<400> 11288

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cttgttctag aagctctttt cttcaaagca gaagccccac acatacaacg tagcctagcc 180
tccgaagaat ctgcatccct gaaccgccgc ctgatagaga gggcttacia atacagaccc 240
gtcaaagtgg tcgagtttga gcttcctaga ccgcagtgtg tagtctacct agacttgaaa 300
agagaagaat gtgggggact gttcccgtcg ggtagagtgt attcgcaggc ctttcaacttg 360
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<210> 11289
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-G8

<400> 11289

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 tttgttttga cgTTTTgtgt gaacgagtta cttttggata tgagctctgt ctgtgggtggg 180
 ttggatttca aagatgcaga gagcagctct gcttccagtc ccattatatg ttctactggc 240
 gtaaagcata tctcttTgtgt tggatctgat gatgctcaag agtctgatgg tgatgatagt 300
 ggttatatac accaaactgt gattgaagaa tccaaagaca aggcgatcag cgaacccatc 360
 cctgagtctt tacctctcaa ttctttggat gatgaaagtg aagataagaa ccttgctact 420
 gcattgcaag acatgttctc cgaaaat 447

<210> 11290
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-G9

<400> 11290

 gccacggtcn gcacaacccg ngTccgaccc acgcgtccaa atngtgagag ttcaagtgtt 60
 ccaacgatgg cgaaatcccc ggtagaggTg aaactgatcc cgatcgaagc tactcctgag 120
 aatttcgcag actatggtca agtcacTgna gcctctcgtg acggTgcagg ttTcggTccc 180
 aacgacgctc aactggatct ctccagagga atcccacggT tctatataat gcggatcaga 240
 gatacaccct ttgactttTc cgtactcact caccacgcga gcgtgacaca gtgtctagga 300
 tcaataggag gTcatgtttg gtacctTgga gtggctaaac cgacacttat tgaagatggT 360
 gatgatggaa aagatggtaa gataaattga aatcaaggTc tggTcactTg tacgcctcct 420
 cctgcggggt gaagaagatt cncgtctTca agggTccccg ggaaccaaTn tttaattaaa 480
 ctga 484

<210> 11291
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-H10

 <400> 11291

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acgcgtccga ngttattggt gcatcgatct ccaaatccaa gattgattcg tcacgaaatc   60
tgctcaccgg ttgtttcgtc gccgtcctct gttcacccaa cgaagatgaa cggcgggtccc 120
tccggtttcc ataatgctcc ggtaacgaaa gccttcgtta ttacgagcgc tcttttctact 180
gtcttcttcg ggatccaagg tcgttcttct aagctcgggt tgtcttacca ggacattttt 240
gagaaatttc ggatatggaa gttaatcatg tccacttttg ctttctcttc cacaccagaa 300
attgatgttc ggattgtatt tgctatacta cttccgagtt tttgagagac agattggctc 360
aaataagtag tcggttttta acctgggtccc aagggaatgg tatccnccaa taaccaagg 420
ncaatttggt aacacggctt aaagattcca cagcaaaaacn tt                        462
  
```

<210> 11292
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-H11

 <400> 11292

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gnttnctct ctctctctat ctctacctgg ctttgtaatt tgtttaccga ctacaatggt   60
caaaatttct ctactcctat aaaaatgggt cgccttggtt ttgatcaacg gatttgatgc 120
atctttcttt ttacctgtgg aggtctttgt cctggcctta ataccgtgat tagagaaata 180
gtgagcagtc tatcttatat gtatggagtg aagagaatac tgggaataga tgggtggatat 240
agaggctttt atgctaagaa tactgtcttc ttggactcta aagttgtaaa tgatatccat 300
aagcgtggag ggactatcct tgggacctca cgagggtggt acgataccac aaagatagtt 360
gacagcattc aagatcgagg aatcaatcag gtttacatta tangaggaga tggaacacaa 420
cgaagagcaa ctgtcata                                                    438
  
```

<210> 11293
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-H12

 <400> 11293

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 aactggattn gtngcaacct naaaaacggc caantncaat ngtngtggcg gatgaaatga 120
 gggatgctan ctgggttgan gaattttctg aatgcctgtc tctggccacg gtcagatcag 180
 caggctcggt ctgcctcaga ttctggtggc cgccaagagg gtttgctctg gttcagagac 240
 tccggccacg acgtctttgg tgacttctcc atggccgtcg ttcaagccaa cagcttgcta 300
 gaggaccaga gccagctcga gtctggctct cttaactcca cgactctggg tccctttggc 360
 acctttgttg gcgtctacga cgggcacggg tgggcctgan acatctcgcn tcatcaaagt 420
 atnatatggt ccaacaacct caagaaggtt tactggcaaa agcaacaatg tntgtcca 478

<210> 11294
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E9

 <400> 11294

nttctatcgt tcgcacggtc ttacatcccg ggtnaccca cgcgtccnaa aacggcacag 60
 cgtttggta ccggtgaccc aaacgacgaa gcatgcttga cgaatctccg tcagagtta 120
 gaagatccag ctaataatct ccgtaactgg acaaaatcct tcttcataaa tcttgctcc 180
 ggcttctctt cttatcttca tggagtcatt tgcaacaatg gcagaattta caaactctcc 240
 ttaacaaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnntc caaccagatc tccggcgaga tcccgcgcga attacagttt 360
 ttcgttaacc tagcgtttct taatctctct tctaactgtc tctccggtca aatctcacca 420
 caaatcgctc tctgcgctta cttaaagctc atcgattttc acgataaaca antctccg 478

<210> 11295
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-D12

 <400> 11295

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ncgcggtcca ccacaatccg gggncngacc cacgcgtccn aatnatccct ctgctgagta   60
tctccagttt gtggacatng gcnatttccc ggtnganggg gtcancaccg atttccngcn  120
aaaagcatca caatcaatca cttgcttttc tcacaaaaac ggcaatctcc ccaaagcagg  180
gcatgcattg gttataactc acaatggagc aagcggagac tatccaggct gcactgatct  240
ggcttaccag aaagcaatcg acgatggagc agacataatt gactgctctg ttcagatgtc  300
caaagacgga atcgctttct gccatgatgc tgcagacctc tcagcaagta ccaccgccag  360
gactactttc atgtcccag ccaccagcgt tcctgagatt cagcctacca acggnatcnt  420
ctcttttgat cttacatggg ccgagattca atctgtgaaa ccacaaattt gnaaaacccc  480
  
```

<210> 11296
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-D2

 <400> 11296

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ggncgaccca cgcgtccagt taaaaaacca atggcgctag ttgtgatttg tgggcaacct   60
tgtagtggta agtcaatagc tgcagtaact ttagctgaaa cattgaaaga gtctgaaacg  120
aaacagagtg ttaggatcat cgatgaggct tcgtttcatc tagaccgcaa ccaaaactat  180
gctaacatgc ctgctgagaa gaatctgaga ggaaagctta ggtcagatgt tgatagatca  240
gtttcgacag gcgagattgt tattgtagat tccttgaata gtatcaaagg ttacagatat  300
gagctatggt gtatcgctcg tgctgctggg attaggtatt gtgttgttta ttgtgatgta  360
natgaagctc attgtangca atgggaatna aggaacggat gatagangtg aagatggata  420
tgacgatggg atattccgaa gatctgg                                     447
  
```

<210> 11297
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-D3

<400> 11297

gtcagnatat cacgggcccga cccacgcgtc caaacacgcg tccgcagttt cgtttatgga 60
attcctgaac acgccactag cttcgcgttg aagcctacca agggctcctgg agttgaggaa 120
tctgaaccct acaggctttt tantctagat gtgtttgaat acgatcatga atcacctgtt 180
gggctttacg ggtcgattcc gttcatgggt tgcgatggga agtctggtaa aacttcagga 240
tttttctggt tgaatgctgc ggaaatgcag attgatgtgt tggctaattg ttgggatgca 300
gagagtggta tttctttgcc ttctagtcac agtangatcg acacattctg gatgagcgag 360
gcanggattg tggatacatt ctttttcgtt gggcctganc caaaggatgt tgtaaagcag 420
tatgcaagtg tgacangtac ttcagccatg cctcaatttg tt 462

<210> 11298
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-D7

<400> 11298

tatagttatt tggcaatggt ggattatccg tatectgctg acttcatgat gcctttgcct 60
ggacatccca ttagagaggt atatttgga agtaacactt tatgagttta tacgaatatt 120
gtagaagaaa tctgagaatg cattcgctag atcatttgga ttttcatctt tacatcaacg 180
atccggggag gctatgcttt aaagatttgc ttgttgctgc aggctattgt tcaaccacgt 240
ccgttaaagt ctttgttcaa tgtggtgtat ctttctatag gtctgcagaa aaattgacgg 300
tgctggtagt aatgctanca tcctanatng catatatgca aggataaagt gtgtactaca 360
actatactgg aaatgttgac tgcttcaaat ttgatgaata accccaatgg tttggtn 417

<210> 11299
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-D8

<400> 11299

```

ggncgaccca cgcggtccaat tttcttcgca caagaatcct gtttcacgac ctcaagtttc 60
tgcgctcca ggattttctg ctccaacag gctacctcct cctgggttct cgtcacatga 120
aagagtgggc ctatcatcag atactacact aggaaatcga tttcttgact ctacttcatt 180
gaggaatgca tatcaagtac cacctccagt tggtaatca aatgggtgcaa gtgatatcga 240
ctttgtggat cctgcaattc tagctgttgg aagagggatg gtaaagtctg acttggacat 300
gagatcagga ttctcatcac aactgaattc ttttgaaaac gaaacaggac tccatatgtt 360
gagacagcag tctctgtctt ctgcacaaca agttaatggg tttcatcatg atctcagaaa 420
cttatctcct tcacttaacg ac 442
  
```

<210> 11300
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-D9

<400> 11300

```

tacnccacgg tccagtacat acacggggcc acccagcgt ccgaattanc gttgcttgct 60
atctttcgcc gtcgtctctt tagcttcttg cgaagatggt tcttcaaaac gatatcgatc 120
tgcttaaccc acctgctgag cttgagaaga ggangcacia gctcaagcgt cttgtccagt 180
ctcccaattc cttcttcatg gtaatcaaaa ttttaaagct ttctccttct cttgaaccct 240
ttagcaaata agtctctgtg attagaactg tatgttaatt tggagttaa tgattttctc 300
ataatcccta gctttgacag tgtgttatgt gatggcgatt tttggatgta agtttgagaa 360
tctatgtaac tagtttcgag tttgtgaatt gtatgtatgt tttgagtttg tgaatttgat 420
ttgtatctga ttctcattta ctctttaag gaccctgatg gtgttccttt cctgga 476
  
```

<210> 11301
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E1

<400> 11301

 atccccgggnc gacccacgcg tccnaagnga tactgtgaga gaatctctgt gtggttctga 60
 attcttaggc tggaattgaa ttctgaaatg gcggaggagt acaaggaagc gttggttgag 120
 aagcagaact atcacgacgg atgtccccgc tgtaagggtg agcagatgaa gcagctccgg 180
 cgaggatata cttacctga gctttccttc gtttgatta tcgtcctctc cacttctcta 240
 ccaatttcct cactctatcc ctctctctac tatatgattg aggattttgg tgcgcaaag 300
 acggagaaaag atattgggtt ttatgctggt tttgttggtt gctcttttaa gcttggaaga 360
 gcactgactt ctgtgttctg gggaatgtgg ctgatcgta tgggaagaaa accattatac 420
 tcctgggaac tctctcaan tgcaattttc aacg 454

<210> 11302
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E10

<400> 11302

 gccacggcca tacaaccggt gtcnaccac gcgtccnaac angcgtccgg cgacagagaa 60
 gaagctgcga actttaaatg tcacaggctg taattttcaa gccgtttgtt tcagttccat 120
 caagtaatca cagccagagg aaactacaga acaatattat caatgttggt gttaaaatcc 180
 aaaaccgatt cagagttggt tgtatgggaa tggtggtccc aaggaaattc ctgcaaaaga 240
 ggaggaaaat ggaggttttc aaggatgcag ctgacgagac ggatcagaag agatggagag 300
 ggcttatgct agagattgaa tcgacgggtt ctgctgttcc ggtgcttagg caatacaaaa 360
 ctgacggtga ccaaggctct ccaagggatc ttgttttggg tactttgggt tagatttaag 420
 cagcttaaga aatggaacct tgtcaatgag attcctgaat ggcttaaata ncc 473

<210> 11303
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E2

 <400> 11303

 ggggncccca aggcttcgaa aaaaanccct acttcaaccc ngcgattcat tcatcattca 60
 cagagtttga agaaaacgcc gaaatcggaa atggcgtcta ttgttcttcg atctcgcttg 120
 ttgccaagat tagcaaagct cagatctcgt aatctgagat gtttctctgc ggaagcatct 180
 tcgacgaatt ctacatctag gtattcggga gtcaccta cccagtcgat gttttctgat 240
 tttccaccgc caaatcagcc gccacctcct cctcctcctc aagtggaagc tgctgcccgc 300
 gctgcgacgg gaaaggagag gaaaggtctt aagtatcttg ggtacgcact cctctgggca 360
 ctactgggt gctaacgctg ctactggtta cgcaaagttt tgcntacacg atagatgaaa 420
 ntgaatgaaa agactaaagg ngtttcga 448

<210> 11304
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E4

 <400> 11304

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 agggaaacttt atgagaaggt ttgtgctttg acaggggtac cacaagaaaa ggctcatatc 120
 tgggattact tcgataagag gaaaacgga ctcttgatt ctttatctta caagagcctg 180
 gaagagtcaa gccttcatat ggaccaagat attctacttg aagttgatgg gtcgtcttcc 240
 tctcagtctg ctatgagctc gacaggaaat gagttagctc tggtacctct ggaaccttcc 300
 aggtcgagtg ttacaattgc tggggggcct accctatcaa atgttcnatt cnactacttc 360
 aaantttaat ccctttccga naat 384

<210> 11305
 <211> 458

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-E5

<400> 11305

gtgaattcgg gggtcgaccc acgcgnccan tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnt tatecttate cgataaaccc 120
acaaataaag acagactctt ttgttcttta aacagagatt gtaaatoag agccgccgga 180
aaatacaacc gccggtttac tctcaggatt agttgatatt attcgatttt aaaaatcagt 240
aggaagaaga tgaagtacgt gcttgtaaca ggaggtgttg tgagtggatt agggaaagga 300
gtaacagcaa gtagtattgg tgttctcctt aaagcttggt gtcttcgagt tacttctatc 360
aaaatcgatc cttatctgaa cactgatgct ggaactatgt ctccatttga acacggtgaa 420
gtttttgtcc tgggacgatg gtggtgaagt ggatcttg 458

<210> 11306
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-E6

<400> 11306

anggacgcgt gggcggacgc gtgggcggac gcgtgggtgc gtacatcgag aagttgaatg 60
atgtcaaaaa gctcatcgat cctattgaaa accggttcaa agatggagaa gagcgagtgc 120
aagcatcaaa agatcttctg aaaactattg cagataaccg aatggctgca gagtctcttc 180
ctcctccaag aaagaatgcg gttctcgatg aatgccataa agctgagagg tggctccacg 240
agaaaaccac agaacaggaa tctttaccca aagacgctaa tccagagctg caatctgctg 300
aaatcaggag aaaagctgat gctctaaacg cgacatgcaa gtacattggg aaatcaaact 360
ctccccccgc gaaaccggaa cataacggat catacgaag tagaaaatca gatgatatgg 420
aacttgatt 429

<210> 11307
<211> 417

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB24-002-Q1-E1-E7

 <400> 11307

 cgggtctccct ctcttaaact ctctctttct cttctctttt tggtttctgg gttatttcaa 60
 agaaaagaat caagaaaccc ctctttctct cttacaagaa tcccatcatg gtgtttgga 120
 aagggtcaaa ccttgacaga ttccttcatt gcacaacacc tgtagtgcca cccaatctc 180
 tatccaaggc ggagattagg agtttgaata ggatttggca tccatgggag agacaaaagg 240
 ttgagttttt cagattgagt gatctatggg attgttatga tgaatggagt gcttatggag 300
 ctggtgttcc aattcgtctc tctaattggag aatctcttgt tcaatattat gttccctatc 360
 tctctgctat tcaagatttt cacctctcgt tcttccttga tccgctaagg gatgatt 417

<210> 11308
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-002-Q1-E1-E8

 <400> 11308

 ggtaccganc tggaattcgn gggccgaccc acgcgtccaa aaaaaagtat aaacaaaatt 60
 caaaactatt cagtattgat atttgtttac attgaaaaaa aaattaactt aaaaaatata 120
 gtttacacaa aaaaagaaaa accaaannnn aaattgtag agattttttc agagtagtga 180
 gaggaaaatg gcgcagatgc agcgagaaga agtagagtcc gtcacgacgg agaagaaaag 240
 attagacgga ggcggtggat cttccggcgc tcaggcaacg gcgttcaaat tcaacgctca 300
 agcgccggaa tttgtaccgc gatcacatac caccgcacca gcaccgagg tttctcctgt 360
 ctccggttac ttttatectt gttttcatta caacggtggg tgcataggan gatgtggcgg 420
 cggagtctgc ggtggtggan ggaccggcgt tgggtactcag tctcgga 467

<210> 11309
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-D10

<400> 11309

gccacgggten ccacaatccc gggtcnaccc acgcgtccna acangcgtcc gattgacatt 60
gttatcgagg gaacaggagt gtttgttgat gggccaggag cagggaagca tatccaagcc 120
ggagcctega aagttatcat cactgcacca gccaaagggtg ctgatatccc tacctatgtt 180
atggggagtca atgagcaaga ctatggtcac gatgtcgcta acattattag caatgcatct 240
tgcaccacca actgtttggc accttttgct aaagtcttgg atgaagaatt tgggaattgtc 300
aaggggacaa tgacaaccac acactcctac accggagacc aaaggcttct agatgcatca 360
cacagggacc taaggcgtgc aagagccgca gcaactgaaca tagtgcctac caacacanga 420
gcaaccaagg cgggtgtcatt aatgttgccg caactnaaag ggттаacctt 470

<210> 11310
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-002-Q1-E1-A9

<400> 11310

cgggtccana attcccgggn cnacccacgc gtcenattcg ggaccatacc gtaaaggagg 60
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cgtgggagat atactgcgaa aagggcaaac cttttacgag tttcaattct tactggaaga 180
aatgcttaga tatgtcgatt gaatccgtta tgcttctctc tccttggcgg ttgatgccaa 240
taactgcagc ggctgaagcg atttgggcgt gttcgattga agaactaggg ctggagaatg 300
aggccgagaa accgagcaat gcgttggtta actagagctt ggtctccagg atggagcaat 360
gctgataagt tactaaatga gttcatcgag aagcagtttg atagattatg caaaagaaca 420
gcaagaaaag ttgttnggaa atccaacttc actacnttcc cccgt 465

<210> 11311
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB24-002-Q1-E1-B1

<400> 11311

ggaggagtca taaaccacct gaatctccct ccgctgtgtc tcagaagcct gtgatggcac 60
caccggttct tcttcgccg cagcagttta aatcgggtgc ttcttctgac caggacggct 120
cagttttggg gttctttaaa aacgccgtca caaagggtca aaatgcacat tcaagtgtgg 180
atgatcattt ggtgaggtgg tttgggttaa accaatctaa gtatcagtgg gctttggatg 240
agtactacga aagcaaagaa tcagatatga agaccgtgaa agcaaaggag atgccgggga 300
aagtacagag tgtataagca accatgtata aactcatttc ccctttggcc aattctaaaa 360
tctgtttttc tgagagagtt caaaaaagct tgagtcctga ggaaagttct cttcaaata 420
tatt 424

<210> 11312

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-B10

<400> 11312

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ggctcctttc gaggggaaac ctganaagaa cgggaagctg gagcaaggaa aaggagatga 120
tgccccatc aattttgggt cagtcggtga gctaccanag aatgccgaag agaataataa 180
caaantggtc aactctgatg cacccaaaaa tgcagcagaa gagtggcctg tggctaanca 240
gatccactct ttctaccttg ttaaataccg ttcttacgct gaccccaaaa ttaaagctaa 300
gcttgatcta gctgataaag agcttgaaaa gttgaacaaa gctcggactg gagttttgga 360
caagttgaga actaanaagg ccgagagatn agagtt 396

<210> 11313

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-B11

<400> 11313

ccacgcgtcc gatggaatct ggaagtatga aaacacctct ggtgaataat caagaagaag 60

caagaagctc ttcttccatc acttgtggtc ttcttcttag tacctccgtc gctgtcactg 120

gctctttcgt ttatggctgc gctatgtcat attcatcgcc tgctcagtc aaatcatgg 180

aagaactggg actttccggt gcagattatt cgtttttcac atcggtaatg acattgggag 240

gaatgattac ggccgcgttt agtggaaaaa ttgctgcagt tattggctgt cgacagacaa 300

tgtggatcgc ggatgttttc tgcattcttg gttggctcgc tgtagccttt gcacatgata 360

aaatgctgtt aaatattggg cgaggcttct tggggtttgg ggttggctct aataattaag 420

tgggtcctgt anat 434

<210> 11314

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-B12

<400> 11314

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ggaatccatc gtataaaaag ggttcattct ctgattcaact ctctcacatt tcatcgattc 120

tcctcatctt ctcttccatt caaatctcac attccctctt cacaacaaca gcttcgtatt 180

cgctcatctt ctctgctttc tgatcttgga aatcgcagge attgttcgtc tactcgagga 240

tttcaatttt ggtcatnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaccggcgg ttcgtatttc cgacgggaat 360

ctaactcatc aaaaccggac gattctaacc ggtgtaccaa gataatgtca tcacgangtn 420

agcatccgga actggggccg ggta 444

<210> 11315

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-B4

<400> 11315

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accaatttta caaaattgcc atcctcccaa tgggggtgatc agttcctcaa gttttccatt 120

gctgattcgg attttgatgt ccttgaaaga gagattgaag tactaaagcc taaagtaaga 180

gagaacatat tcgtgtcgtc ttccacagac aaagacgcga tgaaaaagac aattctttct 240

attcattttc tggacagtct tgggtctctct tatcattttg agaaggaaat cgaagagagc 300

ctaaaacatg ctttcgagaa gatagaagat ttgatcgtg atgaaaataa attgcacaca 360

atctccacca tcttccgagt tttcaaggac atacggttac tacatgtcct ccggatgttt 420

tcaaagatat tcaaaggaga cgatgggtaa attcaaggga agttaatag 469

<210> 11316

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-B8

<400> 11316

tcngtaccga tattacattc gncggccgac ccacgcgaaa caagatcgtg ttacgtctct 60

ctctctctca gtctctcatc accgacgaag atcacggctc ttttctctgt ttaatcggcg 120

gaatctctct tcntatttta tttttcttng ggtagatcga tccagctccg ngatcantca 180

tgantcctga atatgactan ttgttcaagc ttttgctcat tggtgattct ggtgttgga 240

agtcgtgctt gcttctaagg tttgctgatg attcctannt ggatagctac atcagnacca 300

ttggtgtcga ctttaanac cgaanagtcg accatnatgg naagacnanc aanctccaga 360

tttgggatac ggcangccaa ggacgtttca gaacgantac tagcagttnc tacagaggag 420

tcatggatta ttgngncta tgatgtatag attctagaaa gct 463

<210> 11317

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C10

<400> 11317

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gtacttcac ttatgattgc ttcttcaaac actggttctg ttatttattt cgtggctgcg 120

gttatagcga cttgcacaag gtggcatcat tggccaacg cattaggttt tctactcatg 180

gcctttccca aaattctggt tctggcaact tttctcctgc ttctctcttt ctgggatgta 240

tattctcaat actctgatca tattgtgttg tccctgatta ttttatctta ataatgatct 300

gagataagac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagcatccaa caagtgttgc ttgaaaaaag 420

caagagcaag ccaagttctt cgaatgcaag tgatcnttaa aagtgtttgc cccttcca 478

<210> 11318

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C12

<400> 11318

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ttctgattcc gagtctctag ttccaaagag aagagaacat ctgtgagaga tctgagacgt 120

ctggaaatgt gaagaaaaca aaaaaaaaaa agatctgaga gagagagttt cgaaattctc 180

gtgttcgtaa gcaaaaatgg tttgggagaa agagaagatc gtcggaagtt gtatagtcgg 240

aggagctgcg ttcgccgtcg gagcttcttt ccttcattctt ttccttaaag gtgagcttcc 300

gttaggatta ggtttaggtt tgtcttgtcc atggcgcatt ttgagaaaac gaaaacctgt 360

tcgcgtttac atggatgggt gcttcgatat gatgcactat ggccactgca acgctcttcg 420

tcaagctcgt gctctcggtg accaattggt cntccgtggt gtttccgacg aagaaan 477

<210> 11319

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C3

<400> 11319

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ttggaacgcc gggggaagct agtcgtcccg atgcgattag agcagctttc gcggagtttt 120

tctcgatggg tatattcggt ttcgcgggtc aaggctctgg aatggcttat ggaaaactaa 180

ctggagatgg tccagccaca cctgccgggc ttgtggccgc gtctttgtct catgcgtttg 240

cgttggttcgt tgcggtttcc gttggagcta acgtttcagg tggatcatgtg aaccgcgcgg 300

ttacatttgg ggcttttatt ggtggaaaca taacgttggt gagagctatt ctttattgga 360

tgcgtcaatt actcggagca gtcgtagctt gcttggtgct caaggtaanc actgggcggg 420

atggnaacgg gtgcgttttc gct 443

<210> 11320

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C7

<400> 11320

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caccaacaat gtcaaatgct caggctgtgg aacggagatg gtctatgact caggttctcg 120

tttgatcaca ttaccagaag gagggaaagc ttaaactctaa gagccaaggg ttatgtanaa 180

gtgtatgtaa aattaatact aacaaatgaa gaagggtggag aaattgaaga agaaggagaa 240

aaaccaaagt ttgtatgctg ttttgtataa tcttcagatc ttttcatgta gctctcattg 300

gcttggtgtg tgtttgtaag taagtgtgag gcacattcaa agaaaaacat catatgatta 360

cttctttgag aaactttgct ctcatagga aagtaaaata attcaagaan taagcacaan 420

cttgtgtagt tttgaaataa tacntgtatt ttttttgt 458

<210> 11321

<211> 475

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C8

<400> 11321

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gggtcaatga taatagtggg cgacgagtcg gtgtcttagg gtttactttt tgtaaagaaa 120

atittcttgt tgaattattg gctttttgtg aattcgatct tctcttattt atataaaaca 180

ttattgaatt tcaacgctat ttgaaaatt ttatttttaa tattcatgtt gtattagaat 240

ctggaatgtc agaagaacgt gtgcaggaac aagaacttgg gggtgggtgta atagtttaaa 300

taaattctta caaagaataa aaaaaaaatc aggttctctg caccaaattt ttaaaatcat 360

tatttaacat attttgctaa attctctaaa aacaaatttg ataattgatga aaattttgat 420

taagttctgt gttgtgtttg gtgattgctt gaattaagtc tgattgaatt ttaag 475

<210> 11322

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-C9

<400> 11322

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ngaacaccaa taaggcaaga actagcgaat ctatcagatc caaccagagt tcctgtccta 180

aaacacattg ttcatcatta caaatacgag ccaaaagaac agagagttaa atactcaaaa 240

agactgaaac caaccagga ctctattaca gacacatgaa cctcttcata ttcatccat 300

tactatccaa attttttagt acatgaaaac atagagatga ttacaccaac aaactctaga 360

gaacctgtcc gagatttcta caattccaat ctaataatga ttcccgacaa aaggaatcga 420

acacaaatca gttctgtcta taggcaatgt tattagccaa agccaacaaa ggngcaacct 480

ttc 483

<210> 11323

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> . unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-D1

<400> 11323

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gaaattttcg tctccatggc acccgtgagg gggattcttg gcttgcaaag ggcagtgtcc 180
at ttggaagg aaagtaacag actgactcca gctttgagat cattcagcac tcaagctgca 240
tccacttcca ccaactccaca gctcctcca nctcctccgc ctccgtagc cangtgagaa 300
tccttaagcg cggcgaagaa atccccaagg agacttcana tctgggtgtg gaaangtcat 360
atntgggata tacnctcng atttttgnan atttnggntt ttcccgggca aattcgttta 420
tcagggcgca aatcnaaatc aacaacgttt ttttcc 456
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<210> 11324

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-002-Q1-E1-A7

<400> 11324

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ggagttcgag tttagagagg acggtaagct ccgttacgcc aataactcta actacaagaa 120
cgatactatt atccgcaagg aggtatttct cccccccgcc gtgctcaagg aatgcaagcg 180
tatcgtctcc gagagcgaga ttctgaaaga agacgataac aattggccgg aacctgaccg 240
tgttggaaag caagagctcg agatcgtctt gggtaatgag catatctcat tcgctacatc 300
taagattgga tctcttggtg attgccagag cagtaatgat cctgaaggac ttcgcatctt 360
ctactatctt gttcaggact tgaaatgtcn tgtttttcgc tcatctctct gcacttcaaa 420
atcaancc 428
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<210> 11325

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-B2

<400> 11325

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tccttctcct ctgtcttctt gntccttag tctagtccga ttacgtttct tgttccagan 120
acgaanatgn gaacagaccg aatctttcaa cttcccgggtg nnncaaanna tgtctccttc 180
tctcacttct ctggttanat tacgggtcaac gagtcagcag gaagagcact attctactgg 240
gtcactgagt caccaccgag tgaaaaccct gagtctaaag cctcttgtcc tctgggtcaa 300
cggtggacct gggttgttcc tccgtngctt acggtgccgc tgaagaaatc ggaccttttn 360
gaatcagntc ctgatgggga aaactcttta acaanaancn ttactcttgg gacaaattgg 420
ngaatttgct ctccntgaa tctnctgctg gtgttgggtt tc 462

<210> 11326

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-B3

<400> 11326

acggggccgc cagcgcgtccg cantgaagaa ggagcgaatt gctcttcggc agtggaaaga 60
agcgttaagcc ctctcacaaa ttgcagcaca ttgtcttcta atccttcttc tgttgaagct 120
gagtccaaca ncgattacat tgtcccaaag aagccatctt caaagaacga ngacaacaat 180
tctccttcag tcgatgaaag tgctgcgaaa aggatgaaga ggacaaccga ctcagacatt 240
gtncagattg agaaggacgt tgagcanatt gtgttggttg atgatgaana acangaagct 300
gttctggata agacggaatc tgaaactcca gtcgtggtta ctacgaaaag tcctgttggg 360
aatcgaaaca gttcanatgc gagtttgcca attactcctt tcaggtcaga tgaaatcaag 420
aanctgaag ctagaatcga antatcgatg aaagacaact gg 462

<210> 11327

<211> 492

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-B4

<400> 11327

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tctctctcta tctccttaga ttttcaaagt tttcaacatt caacaaaatc attattttta 120
ttttgcagag acgaatcgaa tcgatctcat ctccaaaaat cttgtattca aagtttgatt 180
ttctggggtt cttctgtatt atctcgatat ttgaaaaaaa tggcgaagga aattgaatca 240
gcgacagatt taggtgatac taacatcaaa ggagttcttg ttcattggagg aagatatttt 300
caatacaatg tttatggaaa cttgtttgaa gtttctaata agtatgttcc tcctattcga 360
cctattggta gaggagctta cggttttgtc tgtgctgcag tagattcgga gacacacgaa 420
gagattgcga taaagaagat aggtaaagcc tttgataata aagtagatgc aaagagaaca 480
ttgagagaga tt 492

<210> 11328

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-B5

<400> 11328

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cacgcgtccg gaaaaatatt gcggggatta caaaaatcat tatcaagatt ctaggtagta 120
atccgagtcc cgggtggctc tacgtgattt ttaataacta tgactggtgg aaagatatga 180
caatgctcga ctttctgaac aaagtcggta ggtttgctag ggttggtact atgatggcaa 240
aggagagtgt gaagaanaga ttataatcag agcaaggat gagctacacc gagttcactt 300
atcagttgtt gcaagcctat gatcttcttc acctgttcaa gaacgaangg atcaatgttc 360
agatagggtg cagtgatnaa tgggggaata taacagctgg aactgatttg atcaggaaga 420
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gnacg 485

<210> 11329

<211> 481

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-B7

 <400> 11329

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 agcagataaa gttgatcgga tactagaatg ggaggaggat ttagagtttt gcatttggtg 180
 aggccattct tggcttttct gcctgagggt cagagtgtcg ataggaaggt tccattcaga 240
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 ctttatggaa tccattccac caccggtgcg gatccattct attggatgcg tgtcattctt 360
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 gtgatgcaac tcttggtggt ttccaagatt attgaggttg acaacaatgt tcgtgaggat 480
 c 481

<210> 11330
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-B8

 <400> 11330

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 cgaagacgat gactctgatg acgatgataa ggatgatgac gaggctgatg gactagatgg 180
 agaggcagga ggtaagtcaa aacaaagcag aagtgagaag aagagtcgca aagccatgct 240
 caagcttggc atgaaacca tcaactggtgt tagccgagtc accgtcaaaa agagcaagaa 300
 tatcttggtt gtcatatcaa agcctgatgt gttcaagagt ccagcatcag acacatatgt 360
 gatctttgga gaggcgaaga tcgaggattt gagctctcag attcagtcgc aagcagcaag 420
 agcaattcaa ggcaccaaga tctcagcaat gtgatttcaa 460

<210> 11331
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-B9

<400> 11331

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gcaaaaagat gaatttcatt ggtgattctg tagccagaaa ccacatggag tctcttctct 120
gcctcctgtc aatggaagaa actccgaaag atatctacct catggcaaag tttctagtgg 180
ccggactcga aaggactcat gctaagaaga ccggaacagg aatctatgat ctgcacattg 240
acaagcgagc aatgggcaat tgatctgcta aatacagaca ttgccattgc cattggaaat 300
cttaacatct cagatagaac agcttgaaga tatttaaacy tgacagctta aaaaagaaga 360
agtttgaggt tttggatgtg actanggtta tgctaatagag accaagacgg gcacccgaat 420
tcttactggg gaaataaatg gatgaagggt ttcaatgact gtactcactg ggtgcnt 477

<210> 11332
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-C1

<400> 11332

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aggattcggt tagatcgagg tttttgagct cggttggtga agacatatgc ttgaaaacag 180
aagtcttgta ctgaagcatg gctcttcggc taccagcttc taaagcagct gaagttgcga 240
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gaggttccaa agattctaag attacttgac attaaagaag gtgatgataa ttgtgaaaat 360
gttttaactg gtggaatctc cantcctaag gtttccaaag tctatcaaat gcgataaaag 420
ggaacntatg ccgtttaagt ccgataatcc tcccttccaa aaaatgggaa aacaattc 478

<210> 11333
<211> 158
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-C11

<400> 11333

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catgagataa tactaaggag tttctggcat tgtgtaatat ataattgact gattttgatg 120
atcaggttcn nnnnnnnnnn nnnnnnnnnn nnnngggcg 158

<210> 11334
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-C2

<400> 11334

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attgcatcag tcgcgttctt gttgcggctt gaggaagaaa aagaacacct acactaacca 180
aaacaagaac aaggacgaat tgaaaccgaa gatgacaaca acgaatgaag ctactacaca 240
gcctcctcag cagatgatga gcttgagttt tagtagtcag atgtctaaag aagacgaaga 300
gatggctcgt tctgctctct ctgcttttag ggctaaagaa gatgagattg agaagaggaa 360
aatggaagtt cgtgaaaggg ttaaggctca gcttgggtcg tgttgaggaa gagactcgtc 420
gtcttgctag tatccgcgag gagcttgaga ca 452

<210> 11335
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-C3

<400> 11335

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 gaagggatgat tacaaggcaa tcatccaaaa tccaaacccg ctgatcccg ccaatatttg 180
 taccgatgag tttggatggg gcacagagtg gaatccagca atgtcaaagt taaccggttt 240
 gaagcgagag gaagtgattg acaaaatgct cttaggagaa gtatttggga cgcagaagtc 300
 atgttgtcgt ctaaagaatc aaagaagcct ttgtaaacct tgggattgtg ctgaacaatg 360
 ctgtgaccaa tcaagattca agagaaagta tcgtttgcnt tccttacaan aagtggcaaa 420
 ttatgttga antgtctgtt gtgtgtgaat aagaaactgg acaaggaa 468

<210> 11336
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-C5
 <400> 11336

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 ctttttcta ccggaattca gtcgcagcgc tgacctccgt cgcgcatgat cggtttacga 180
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 atccatatac gtacacggag gcggcgcagc ccgaagagcg gaagagtttg acggattttt 300
 tgggtggaagc tagagatttc gttagatctg acggcggaga tgggtgtcca cctcgggtgt 360
 tctctccctt gggaatgtgg cgcacgcgct ccagaatctc ctcttcttct ctacttacct 420
 gggatcgatg gtactgggat taaggctcat tcgccaacat aaagaagctt ggagaaatct 480
 gtgaagctca attgag 496

<210> 11337
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-D1

<400> 11337

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ccgtcgtccg tctccggcgg tttaggctag cttttggccg gatttctttt tccgttttgt 180
tttatgttct cgttttctat agatccagtt tgattttgct cctttgtggt ctaactctta 240
gagggctcaa ttccttgaac ctcttttgtt taaagggctc aatttgtttt tcaagcttat 300
cgatttcaat tatataagaa caaattagag ttgtggattg gggttttctc taatgccttt 360
gagttgggtt ttaagcaatt gagtcaattg tcatattggt ttttggaac nagtggtttt 420
aatttacttt angtgttcaa tgggaagttc aatgggctaa agttc 465

<210> 11338

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-B1

<400> 11338

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acgatgttta cttgctggag aagatctgga aaatttttagc ggagattgaa gatcttcata 120
tgttgatgga tccggaagat tttttgaaat tgaagaaaca gttacagatc aaatcgacgy 180
gtaaaaacga tgcgttttgt ttcagatcta aaggattagt ggagatgatg aagatgtcga 240
aagatctgag acagaaagta ccggcgggtct tggcgggttga ggtagatcca accggaggac 300
caagattaca agaggcggcg atgaagcttt acgcgaggaa gacagagtgc gataagattc 360
atttgcttca agggatgcaa acngtggaag cngcggcgaa aaatttcctc ttgggtataa 420
gcaattaatg gcggctatga tgggaaattc cgganaanaa ccccaacngg caagtcaaa 479

<210> 11339

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-H9

<400> 11339

aagtaccgta aggcgatatg cgggtctcag ctctcagttg gtatgagatt tggaatgatg 60

tttgaaactg aagattccgg gaaacgaagg tacatgggaa ctattgttgg aatcagcgat 120

ttggatccgt tgagatggcc tggttctaag tggcgtaacc ttcaggtaga atgggatgag 180

cctggatgta atgatccatg ggaagagttt gtgggatgcg taaggatgcat aaggatattg 240

tcgccaactg aggtccanca gatgagtga gaagggatga agcttttgaa cagcgcaagc 300

attaacgata ttaangactc cgtttcanaa atgtnaccat atnagaatga tctcaancct 360

ggatttngtt agggaaaaaa aagagaatna agaaatggtc ctttctccaa actnggg 417

<210> 11340

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-026-Q1-E1-E3

<400> 11340

tcccgcgcgt accggtccaa aatcccgggg cccaccaacc gttccaaaaa naaacaaaat 60

ggcttcgatg ggtggattac acggtgcata tccggcggtt cttgaaggaa gcttaaagat 120

caatggctcc agccgtctga atggctctgg aagagtggcg gtggctcaaa ggtctagact 180

tgtcgtcaga gctcagcaga gtgaggagac ttctcgccgg tccgtgattg ggcttgttgc 240

tgctggttta gctgggtggc cgtttgttca ggctgtctc gccgatgcta tttcnatcaa 300

agttggccct cctccagctc cttccggtgg ccttctctgg acagataact cagaccaagc 360

angagacttt gcattggcat tgaaagacag gttttactta caaccattgc caccancaag 420

aagctgcagc tagaagccaa agaaatctgc aaaggatatc ataaaatggt aanccc 476

<210> 11341

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-A1

<400> 11341

gtnccggtcc gacattcacg ggnccaccca cgcgtccgga gagagacaga gagagattca 60
 aaaatccgat tccagatcca ttcttgggca aacaaagggtt ggtgtttctc taatctcaaa 120
 gcttttttca aattcggaaa aagcaaactcg tgggaagaga ttcattcttct ctctgtgcgt 180
 tcatcggatc tcggagcttt tggttcgtcg tcaatggcgg aagagacgga gaaaaagtac 240
 attacgaacg aagatcttaa aaaacacaac aaatctggag atctatggat cgcgattcaa 300
 ggcaagggtct acaacgtctc cgattggntt aaaaactcat cccgggaggc gacacgggtga 360
 ttctcaatct cgttgggtcaa gacgtcaacc gatgcctttc atccgcattt catccccgga 420
 ancgcntggg caccatctcc gaacatctcc tcancggggt accacatcaa gagatttcaa 480
 agtctccgaa gtc 493

<210> 11342
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-A10

<400> 11342
 gcagacgcgt gggcggacgc gtgggcggac gcgtgggttc acactcgtgt attcatgac 60
 agattataga gcagaggaag agaccgggtc ggaaagtgtt ttcggttact cctcagggtt 120
 atcatgagcc aaggagtgtt gaaaaagctt ttcatacataa tggaagggtt ttgcttagtg 180
 tttttgatga ggagaaggat gtgaaacaac ctattaggat ttatttgaat tatgatgctg 240
 ttggtcattc gcttgaccga gattgtcaac gagttggcaa tattgtgaag ttgggtgagc 300
 ctcttcaag tacttttctt gctgttcctg cttgtaatcc taatacaaaa cctccggttt 360
 ctggtgattg ttggtaaaac tgcacttaga tgacatatct ggcaaggaca aaaagcatcc 420
 gcctacgcaa aggctttan 439

<210> 11343
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-A11

<400> 11343

gtancggacc tcaattcccc ggnccaccca cgcgtccgca cctggtgaat acaaagagaa 60

ggtcactatc gacaggaaca aacccttcat tacattgatg ggacaaccca atgccatgcc 120

tgttatcacc tatgacggta cgcgcgcca gtatggaacc gttgatagcg cctctctcat 180

tatcttatcc gactatttca tggccgttaa catcgtcgtt aagaacactg cgccggcacc 240

agatggtaaa actaaggag cacaagcttt atccatgaga atctccggaa attttgctgc 300

tttctacaac tgcaaattct acggtttcca agacacaatc tgtgacgata caggaaacca 360

tttcttcaag gattgttacg ttgaaggaac attcgatttc atcttcggaa gtggaacctc 420

tatgtacttg ggaacacaat tgcacgtggt tggagacggt attanagtga ta 472

<210> 11344

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-A12

<400> 11344

cccgggncca cccacgcgtc cgcanacgcy tccggatcca caaggataag ggtggtgcac 60

caacagagtt tgaagagcaa gttactcagg ctttgtttga cttggagaac accaaccagg 120

agttgaaaag cgagttgaaa gatctctaca ttaaccaagc tggtcagatg gatatttctg 180

gcaaccgcaa agctgttggtg atctacgttc cattcaggct gaggaaagct ttccgcaaga 240

ttcatcttcg tctggtcaga gagcttgaga agaagttcag tggaaaagat gtgatctttg 300

ttgctaccaa gaagaatcat gcgccaaca aagaaagggc tcaactgttc anagaacacg 360

caacaaaact cctacttctg tccatgaagc catgctccaa ggatgtcncc taaccgcgtg 420

anaattgtna ggaaagagaa acaagattac cgtccttgat ggcaccaag 469

<210> 11345

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-A3

<400> 11345

gcccggtccg anacaaacgg gncngccac gcgtccgaaa anacatctcc atgaccaaaa 60
 tctccacttc taccgtggta atttcgatgg ttttgaaagc ggatatgagc agcgtcgcaa 120
 ggagatgaac aaaaaatttg atgtctacga caaacagatg aaagcagcga agaggactgg 180
 aaaccggggg caacaggaga aggtaaagga cagggccaaag tttactgctg caaaagaagc 240
 atccaagagt aagtcaaagg gcaagacagt ggatgaagaa ggcccagcac cagaagctcc 300
 aaggaagtgg agagattaca gtgtggtggt ccacttccca gaaccaactg agctcactcc 360
 tcctcttctg cagttaattg aggttagctt caactatccc aacaaggcaa atttcaaact 420
 ctccgaatgt tgatgtaagt atncgatatg gggaacaccg gntnccaata atttggntca 480
 accgg 485

<210> 11346
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-001-Q1-E1-A4

<400> 11346

aggtcnggtc caaaataacg gggccgccac gcgtccgtan tancctctca cgcttatcgc 60
 cgcactctccg tcaaccttca tctacagaat ggattctcag atcaagcacg ctgtgggtgg 120
 taagggtcatg ggtaggactg gttcaagggg tnagggttact cagggttcgag tgaagtttac 180
 cgactctgat cgttacatca tgaggaatgt taaaggacca gtgagggaag gtgatatact 240
 caccttgctc gagtctgaga gagaagctag gagacttcgt tgatcttctt cttcatactc 300
 caaatgcgg anacaagaaa acatttggnnt atttctcttt tgctttcttt gattggatta 360
 gtggattatg catttgaggt cttaattttg ttgttgcntt taagacaaat tgctgctggg 420
 atttataant tgtttgggta tcaaatctc ctcattccaat aa 462

<210> 11347
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-A6

<400> 11347

cgtaccggta agataattcc cggggtcttt gatttttttag gataaaggag attcctttac 60
ctcgattttt tgcttttcat ttttattaaa tctccgattt ttgatttttg gggnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncttctc tccaactcgc ggagctcttc 180
gtgagctcta ttgtgcattt gctttatggg ttttatatat ttagctccgc cgttgccgga 240
gatatctctc agacgttgaa tgattacttg ttttaagtcca atgtcgcttt cggagaaacc 300
ggtaaaaatc aaaccaatgt tgagggtttg cctcctattg tattgggttca tggcatcttt 360
ggatttggca aaggagatta ggaggcttat ctacttttg cggtgctgag aagaaagatg 420
agaaggttct tgttcctgat ttggggttcc ttaacaagca tctaagacag gg 472

<210> 11348

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-001-Q1-E1-A7

<400> 11348

ttgccgntcg taccggaaac ataattcccg ggnccacca cgcgtcaaga acttactctc 60
ctttggtttt getgaagatg ttgctcgga ggcactaaaa gcctcgggag gagacattga 120
gaaagcaaca gactgggtat tcaacaacc taatgcatct gtttcagaca tggatgtatc 180
ctctagcaat tcagcgcaga ctccggctca aagtggatta ccagatggag gagggaaata 240
caagctgttt ggaatagtaa gtcacatggg aacatcagtg cactgtggtc attacgtggc 300
tcacatattg aaagaaggcc gctgggtaat tttcaatgac gacaaagttg gtatctcgac 360
tgatcctcct aaagacatgg gttatgtcta cttctttcan cggcttgatt gattcgatgg 420
agccagttac agagacaaaa actaatcctt ttttttttaa atagaaactt ttaaggtcat 480
aagggtttt 489

<210> 11349

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-A8

<400> 11349

gtaccggtan acaattcccc ggnccaccca cgcgtcngca agacgcgtgg gcttcaaccc 60
tatgatcgag cttgctggaa tattccacaa ccgtggcttc tccgtcacga tactccacac 120
ttctttcaac ttcccggatc cttctcgcca tccacagttt acttttcgaa ctatcactca 180
caaaaacgaa ggagaagaag accctctctc tcaatcagaa acttcttcgg gtaaggacct 240
cgtcgtcctt attagtctgc tgaaacaata ctacaccgag ccgtctcttg cagaggaagt 300
aggcgaagga gggacggtgt gttgttttgt ctccgacgct ctatggggga ggaacacgga 360
gattgtagcg aaagagattg gagtgtgtac aatggtgatg aggactagtg gtgcggcaac 420
gttttgtgct tatacaagct ttccctctcc ttatagataa gggttacctt cct 473

<210> 11350
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-001-Q1-E1-A9

<400> 11350

ccnacggacg acaatcccg gncacccac gcgtccgaat taattagact cgccttgtgg 60
aataaaggca ttttcgacga gaatttctgt agagatgagg ctttcttgtg cttcttcctc 120
ctcctcctct gcttctcctt cggtgaggct atcgtcagtg acagtggcgg tggacaaagc 180
cacgagcgag cttctccgca ctctgattg gaccatcatc atcgccatct gcgattctct 240
caattctaata cgctggcaat gcaaagatgc catcaaagcc gtgaagagaa gattgcagca 300
caagagttct agagttcaat tactcacttt aacgttggtg gaggcaatgc tgaagaactg 360
cggtgacttt gtgcattctc atatcgctga gaaacatcct cctgaaagat atgggtaaac 420
ntgtcaagga aaaaaggatg tttgaantta aggaacaaac tccttgaatt ttgttgga 478

<210> 11351
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-015-Q1-E1-A1

<400> 11351

acgcgtccgg tcgttaaaca aatttcgccg acctacgtat gagccgtcgc ctccaatata 60
aaccaaagcc atccctaata ctcgaattct tcctctctga gtttttattc tgagatagag 120
aaagatgtca ggttttagctt gtaattcgtg taacaaagac ttcgaagacg acgctgagca 180
gaagtttcac tacaaatccg aatggcaccg ttacaatctc aagcgcaaga tagctgggtgt 240
tcctggagta acagaggcac tatttgaagc tagacaagct gctatagctc aagagaaggt 300
taaagctgtt gaagcaccga tgctttatag ttgtggaatc tgtaacaaag gttacaggag 360
ttccaaggct catgagcagc atccttaagt cgaagaagtc atgttttgaa gggcttcgac 420
gantactggg aaaggaggnt aaa 443

<210> 11352
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB24-014-Q1-E1-D9

<400> 11352

tnacaagaaa taatctcaaa tctcttacac tcatagtctt caagcaactt ctcagattca 60
gctcttatgg atcatttggt acaacaccag gatgtttttg ggaattataa caaagcaaga 120
gaagcaatgg gactatcata ttcatcaaac ccaacaccgt tagataacga ccagaagaaa 180
ccttctcttg caacggctgt gacaaggcca cagcctccgg agctagctct caggtgtcca 240
cgttgcgact caacaaacac aaagttttgt tactacaaca actacagtct cactcagcct 300
cgctacttct gcaaatcatg ccggagatat tggactaaag gtggaactct aaggaacatc 360
cccgtgggtg gaggtgccg gaaaaacaaa cgattcacat cttc 404

<210> 11353
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-C5

<400> 11353

acgcgtccgg tgaaatcgaa aaaaaaagcg agatcttctt ctctaattggc gacgacctta 60
agcagagatc aatatgtcta catggcgaag ctcgccgagc aagccgagcg ttacgaagag 120
atggttcaat tcatggaaca gctcgttaagt ggagctacac cggccggtga gctgaccgta 180
gaagagagga atctttcttc ggtcgcgtat aagaacgtga ttggatctct tcgtgcggca 240
tggagaatcg tgtcttcgat tgagcaaaag gaagagagca ggaagaacga agaacacgtg 300
tcgcttggtta aggattacag atctaaagtt gagactgagc tttcttcgat ctgttctggg 360
attctcangt tacttgattc gcataaatt ccttcagcta ctgccagtga tctaa 415

<210> 11354

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-004-Q1-E1-D8

<400> 11354

acgcgtccga gagacagaaa gaggacatat acagtaagan nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc gtcataattgt tacttgggtca caagaggaag 180
atgttatact aagagaacaa ataactctac atggaactga aaattgggagc atcattgcat 240
caaagttcaa agacaaaagc acaagacaat gcagaagaag atggtataca tacttaaact 300
ctgatttcaa aagaggaggt tggccccctg aagaagatat gcttttgtgt gaggcacaaa 360
gagtatttgg taatagatgg actgagatag caaaggtggt ttcaggcaga actgataatg 420
ctgtgaagaa cangttt 437

<210> 11355

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-006-Q1-E1-A2

<400> 11355

attctctctt tgattcctat cttcttctct ttattttcac tttgtgcttt ctctgtctct 60
cctattatga gtctaaaagt ctactagctg ttcaatagtt ttgtctttct gtgtttcttc 120
ttcttcaaaa ccgaaagaaa ttcaaaaaga gtctttcgct gcttgtagt ggggtgagga 180
acaaatggga agaacacctt gttgtgacaa gattggtttg aagaaaggtc cttggacgcc 240
tgaagaagat gaggttcttg ttgcgcata caagaaaaat ggacatggaa gctggagaac 300
acttcctaaa cttgctgggt tacttcgctg tgggaagagt tgcaggctga gatggacaaa 360
ctatctgaga ccaagacata aagagaggtc ctttcactgc tgatgaagag aaactt 416

<210> 11356
<211> 747
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB24-020-Q1-E1-B12
<400> 11356

aaagcttggg ttttaacggc ccccgggggn cncgcggggt ttaaccggg cgcttccccg 60
ggaaaaaaag anttttcccc cggagggggg ntncggaaa cccccaaac cggcccggnt 120
tccccgggcc ccccaaacgg gcccggtttt cccgggcctt tccaaaaaaa aaaaccccaa 180
anannanaat tcccaacctt taaaaannag ggaaangggg gaaagnaaaa aggaaatttg 240
ggccttaaaa aaagggtttt ttgganttaa aaaaaacaaa ttttcccaa aaaanattcc 300
aaaatngggg cctnggaatt naanggaat ttaaaaaagg ggtnccaatt gggaaggtn 360
cttgaaaaga aagaacgaag caagccttnc gttanggctt tgtttngtn aaaattacgg 420
gttccaaagg aaaaactngg gacaagttga attaagcaa aatcctaatt ccccggtta 480
gattcggggg gaaaaatccg ttgttcgtt aacgggtggg ttgcaaacc aagccttttc 540
gcccgcaaag tttgaagcaa tcngnccgt ttttcgggct tgaagggaag agacgaagac 600
gatcgcaacg tgctcacgct caagttcggg taataaatgg ggcgacgatt gctcgtcttc 660
tcaacggtcg tacggacaac gccgtnaaga atcactgggn actccacgct caaanaagga 720
aatnccggng ggtacgaaca tccgggg 747

<210> 11357

<211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-021-Q1-E1-A12

<400> 11357

atattgtgga cagtaacctc gaattagttc catatcaggg tgacatatct gttgatgaac 60
 cttcatcaga ttcaaaagag cttgtccacac ttccagagtt ggaagtcaag gcgcttgcca 120
 tagttccggt gaaccagaaa cctaagcgta ctgagctagc ccagaggaga actaggagac 180
 ccttctctgt gacagaggta gaagctcttg tacaagcagt tgaggaactc gggactggaa 240
 gatggcgtga tgtaaaattg cgtgctttcg aggatgcaga tcatcggact tacgtggact 300
 tgaaggacaa atggaagacg ctagttcaca cagcaaagta tatccccaca gcaacgaaga 360
 nganagccgg tgccacaaga actgctana 389

<210> 11358
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB24-027-Q1-E1-D10

<400> 11358

ataagttgct cttctggagt gatgtttccc cgtcgtacgt cggggcggag atagttcagc 60
 caccggagcc ggcaactttt cccggttcgt tttagacctataacattca tattatcaat 120
 catcacaatc aatatgactc ttactacgtg gatatatatt cacataatta taattagtag 180
 tagcacatat gacatatgag tataaaaata cgtgtatcat ttatTTTTga tgttttaaaa 240
 aagtatttta cattatttta ctctaccact aggccatcat taaagcatca tatatccaag 300
 tatccaacac atgaaaacgt tttaatatTT agattgattc tttaacaaag aacgaatata 360
 atagagcata tatatatata cgttttaaaaa aaaaatctag ttatgaaaat ataattaan 419

<210> 11359
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB24-004-Q1-E1-G3

<400> 11359

tctcacccaa tttgtgttct ttctttctgc taaaagggtta taatttttgt ttcttggttt 60
ggtgagaatc ttcaagaaac tgaaacaaag aaaatggatt ctagttgcat agacgagata 120
agttcctcca cttcagaatc tttctccgcc accaccgcca agaagctctc tcctcctccc 180
gcgggcggtg tacgcctcta ccggatggga agcgggcgga gcagcgtcgt gttggatccc 240
gagaacggcc tagagacgga gtcacgaaag ctaccatctt caaaatacaa aggtgttggt 300
cctcagccta acggaagatg gggagctcag atctacgaga agcaccaacg agtatggctc 360
gggactttca acgagcaaga agaagctgct cgttctctacg acatcgcagc ttgttagatt 420
ccgtggcc 428

<210> 11360

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-004-Q1-E1-G4

<400> 11360

ggtagcctcc aaaaattcca anggtcgacc cacncgtccg ntctctcacc caatttgtgt 60
ttctttcttc tgctaaaagg ttataatttt tgtttcttgg tttggtgaga atcttcaaga 120
aactgaaaca aagaaaatgg attctagttg catagacgag ataagttcct ccacttcaga 180
atctttctcc gccaccaccg ccaagaagct ctctcctcct cccgcggcgg cgttacgcct 240
ctaccggatg ggaagcggcg ggagcagcgt cgtgttggtat cccgagaacg gcctagagac 300
ggagtcacga aagctaccat cttcaaaata caaagggtgtt gttcctcagc ctaacggaag 360
atggggagct cagatctacg agaagcacca acgagtatgg ctggggactt tcaacgagca 420
agaagaagct gctcgttcct acgacatcgc agcttgtaga ttccgtggcc gcg 473

<210> 11361

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-005-Q1-E1-C2

<400> 11361

gagaagagat ctcagctggt agatctagat ctttaatttgc ctcctccatc ggaacaggcc 60
tgagctttta acggtgtcgt ttcaattcga agcgcgatgcg tttcttcttc tttttgagct 120
gtgaaaattc gttttctcat agtttttctt ctctctctct ctcagtctaa atttattacc 180
agttttttaga aagaaaaaac agattaaatc tgagagagaa aaatataatt ttagctgaca 240
tggatcggtt tgtacatatt attacataac cggagatctg aacttttgtt gtgtgctttt 300
aattttttgc gacttggttt caccccaatg ttgtntctcn atttttttta ctacnttttt 360
tttttggtcc tncaaanttt caatcaaata ntttgggg 398

<210> 11362

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-C1

<400> 11362

angtaccggt gcagaattcc cgggacgacc cagcgcgtccg cccacgcgtc cgcccacgcg 60
tccgctcatg gacgcgcttg taccttttat caaaagcgtn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnctcc ctcctctccc 180
cggttattac ccggattcaa cgttcttgac ccaaccgttt tcatacgggt cggatcttca 240
acaaaccggg tcattaatcg gactcaacaa cctctcttct tctcagatcc accaagatcc 300
agtctcagat ccatcatcct ctctctccga cgcatacaca caacaacaac tctttctcga 360
atcttctcag cccaaagccg ttactgatga agcaatctgg agtcgctgga tcttgtttcg 420
cttacgggtc aggtgttctt tcgaaaccga cg 452

<210> 11363

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-003-Q1-E1-A11

<400> 11363

tatctccggt catgcctcca ttaccgtcct ccacggcgcc ttcgtcttcg agacatcttc 60

gatcgccgga aagtatcgcg aaatttgcag ggagagcaat atttctgct ttacagggga 120

aatcgtgtcc gatatgcctc gaaaatctaa ccgagcgaag atccgccgcc gtgatcacgg 180

tgtgcaagca cggatactgc cttgcttgta ttcggaagtg gagcagcttc aagaggaatt 240

gtcctctttg taacactcgt tttgattcct ggtttatcgt tagtgatttt gcttctagaa 300

aataccataa ggagcaatta ccaattcttc gtgatcgtga gactttaact tatcatcgga 360

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<210> 11364

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-E6

<400> 11364

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atctcagcct gaaaacaagg tatgtgtcga ttgcgctcag aagaatcctc aatgggcgtc 180

ggtttcgtac ggaatcttca tgtgtttgga atgctccggg aaacaccgag gcttaggcgt 240

tcacatatcc ttcgtcagat ccgtaaccat ggattcatgg tctgcatcc agattaagaa 300

aatggaagct ggtggtaacg aacggctcaa caaattcttc gcgcaatacg gaatcgctaa 360

ggagacagat attatctcca agtacaattc gaacgctgct tctgtgtatc gtgaccggat 420

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<210> 11365

<211> 428

<212> DNA

<213> Arabidopsis thaliana

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<400> 11365

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<210> 11366
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<210> 11367
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-104-Q1-E1-D7
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 tcttccatgg agtcgagcac tggacaaagg gtaagcgatc taagagatca agatccgatt 180

tccaccacca aaacctcact gaggaagagt atctagcttt ttgcctcatg cttctcgctc 240
gcgacaaccg tcagcctcct cctcctccgg cgggtggagaa gttgagctac aagtgtagcg 300
tctgcgacaa gacgttctct tcttaccaag ctctcgggtgg tca 343

<210> 11368
<211> 306
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-006-Q1-E2-A7
<400> 11368

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catgctcaag cgtcttgtcc agtctcccaa ttccttcttc atggatgtga agtgccaagg 180
ctgtttcaac atcactactg ttttcagtca ctgcgagact gttgtggtgt gcggaaactg 240
ccaaacaact ctgtgccagc ctacaggaag taaggcaaag ctcaccgaaa gatgctcatt 300
catgat 306

<210> 11369
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-066-Q1-E1-C10
<400> 11369

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gtgaacttga ggatgagttc cgtgcctttg gagttgtcag gagggtttgg gttgcccgta 180
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gtgctttaga tggcaagaat ggctggaggg ttgaacagtc tcacaatcga ggtgagcgtg 300
gtggcggcgg tcgtggtggt gaccgtggag gtgggtggcg cggccgtggt ggtcgtggtg 360
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<210> 11370
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G11

<400> 11370

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 acttgaagag cttacaacgt cggagttttt ttctccggtg atgaatagtc cagattgtag 180
 catgcttgaa gctttggcgg ggttgccagc ttatttgccg tctaacgaac cggatccgga 240
 gtcatacccg gatctattgg gtccggattc accaatcgat gcttactcat gcgaccattt 300
 ccgtatgtac gatttcaaag tcaggaggtg tgctcgtggc cggagtcatg attggacgga 360
 gtgtccgtac gctcatcncg gagaaaaagc tcgccggaga gattcgagga agttacatta 420
 ctctggg 427

<210> 11371
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-078-Q1-E1-G1

<400> 11371

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 gaaaaattca atctttttatc cctaagattc gatctttctt cttgggaagt tgataaatgt 180
 tcaaggaaac ataaaaaaga gaagattttt gaataaaggt tgaagaaaaa tgcaggatcc 240
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 agagcaagaa cagttaaagt gtctcgttg tgactcacca aacactaaat tctgttacta 360
 caacaactac aatctctcac agcctcgtca c 391

<210> 11372
 <211> 412
 <212> DNA

<400> 11374

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cctcggccac gttgccgcct gaatcggacg cagagacgac gaaaaaggta acctaactgc 180
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cgcaataagt tcaccggtac tcggagaaag cggcggagat tccgacggtg gtgaaaacga 300
aggagaaaca agaatcgaag tcggagaagt agctaactct gagaagaatc caagatctgg 360
atctaacgaa caaggtaata cacgtaactg ctccgtcgta tgagcgaaga gacaga 416

<210> 11375

<211> 360

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-F1

<400> 11375

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gtgatggaat ttgtggaatc tgggaaagag ctgagagcgg agatgtatgc aagactcagt 180
agagagaact cagtcggttg agtcgacttg gatcgagtct gtgatgacgt ggcgactcga 240
tctgattttg tggatattct agagatgttt aagggtgttg ggagaaatga cctggcgggt 300
cgatcttagt gacggtacaa tcggacgatg aagacatcag cgtaaagagt atcataactca 360

<210> 11376

<211> 214

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-086-Q1-E1-F5

<400> 11376

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caaagaagta tgaagagaga aagatctgat ttcgaagaat ccctcaagaa tattgacatt 180

gctaaatgtc tgatgatact agcacaaacc tcca

214

<210> 11377
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-D12

<400> 11377

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caacttcgtc gacgattcaa acgtcgtcag gatcggagga gagtctcatg gagcagagga 180
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agctcctaga cgatctaacg gctcaggtta atcatctgaa aaaagagaac acggagatcg 300
tgacaagtgt cagcatcaca acgcaacact acctaaccgt tgaagcagag aactctgttc 360
tcagagctca gcttgatgaa ctttaaccaca ggctccaatc tctcaacgac atcatcgagt 420
tcctcgacag taacaacaac aaca 444

<210> 11378
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-E7

<400> 11378

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caccgtgatt agaatgtcag cctcgtcctc atcgctcct ccaaacaccg gcaactcgaa 180
gtccaaaaag ggaacgaaga aagagattca agagtcgc 218

<210> 11379
<211> 444
<212> DNA
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<223> Clone ID: LIB25-039-Q1-E1-D6

<400> 11379

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ttctacgagg gtatcgggtt aaacacaaag gagttcgata tgcattgcat catcgagaca 120

aaccgaacca cggcaagaat attccttgcg gtgctggatg ttgagaacct tgagttcaag 180

aggaaactgg atagaatggg tgtgagctat gagaagctgc tggctatagg agaaacagat 240

gatgcttctt tcatcaagac cctcaagagg attcctttgg ttactttctt agcctctgag 300

atcttggctg cttatctcat gcctcctgtt gagtctggct ctgttgattt cgcgagttt 360

gagcctaata ttgtctatta gtagctgcaa tgtcaagtct tgagtttacg gctggttctt 420

gatttcttgt aattgaatga tcga 444

<210> 11380

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-G10

<400> 11380

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gccgacgttt ctccaccgtg atcagaatgt cagcctcttc ctccaccgct cctccaacca 180

ccgccacctc gaagtccaag aagggaacga agaaagagat tcaagagtcg cttcttactc 240

cgaggttcta cagcagcgac ttcgaggaaa tggaacagct tttcaacacg gagatcaaca 300

agaaccttaa cgaagcagag ttcgaggctc tgcttcaaga gttcaagacc gattacaacc 360

agacacattt cgtgaggaac aaggagttta aagaagctgc agacaaat 408

<210> 11381

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-E11

<400> 11381

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tcgtctcaaa aaacaatctt caaaacgtaa caacaagaac aacaaagccc agactgaaac 300
gcgtgttttg tctccacctc ctctcatat gtctttgcag cgtcgtatgt ctcttcttc 360
caagcttgat ccagctttgg ttacagagga ttctcc 396

<210> 11382
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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-H12
<400> 11382

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atgaggatca gagagccaaa gaccacagcg ttaatttttg cttctgggaa aatgggtgtgt 180
accggagcta aaagtga 197

<210> 11383
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-D11
<400> 11383

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gaactatggc acaaaccat accaaaccaa cccgatgagc accactgctg ctactgtagc 180
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gactaccgat ttcaagaacc acagccttcc ccttgcgaga atcaagaata tcatgaaagc 360
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<210> 11384
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D11

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gagggggcact gtcccgaag ctgctgctgc tggttaccgc tatggatact tgctgcagg  300
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 <212> DNA
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 <223> Clone ID: LIB25-016-Q1-E1-F11

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acttatgttt ttgtgtgtct gtatatagat aaacattaca taccatatt tgtgtataga  180
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aagaaagctt atgaattgtc tgttctctgt gatgctgaag ttgctctcat catcttctcc  360
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<212> DNA
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<223> Clone ID: LIB25-111-Q1-E1-C9

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<210> 11387
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-F5

<400> 11387

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<210> 11388
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-D10

<400> 11388

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ttcagtcacc tgcaaagcca ttgactgata agccaacccc ggagctgaat aggacaccta 180

gtcgacttgc tggatatgtc tctggaacgc aagacaaatg cgctacttgc actaaaaccg 240

tgtatcctat cgaaaaggta actgtggaaa gccagtgtta ccataaatct tgcttcaagt 300

gttctcatgg aggctgtccg atatctccat cgaactatgc agctctagag ggaatattgt 360

actgcaagca ccatttcgct cagcttttca aggagaaagg aagttacaat catctcatca 420

aatctgcttc catcaaacgc gctaattgctg ctgcta 456

<210> 11389

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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agcaagaaga tagggagagg gaagatagag ataaagagga tagagaacac tacgaatcgt 180

caagtcactt tctgcaaacg acgcaatggt ttactcaaga aagcttatga gctctctgtc 240

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gccacaaca gtgtgagagg aacaatagaa aggtacaaga aagcttgctc cgacgccgtt 360

aaccctccga ccatcaccga agctaatact cagtactatc agcangaggc gtctaaactc 420

<210> 11390

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-001-Q1-E2-G12

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<210> 11391
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-056-Q1-E1-B4
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<210> 11392
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<210> 11393
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 <212> DNA
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<223> Clone ID: LIB25-037-Q1-E1-C5

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 tacaacaacg acaacaagcg ctgtgtatat ccatgttata gaggatgtcg tcaacaag 240
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 aatttgggag acgaagatga tgcaagccg agtcttgaat ggaccaatag agaggctatc 360
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<210> 11394
 <211> 452
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<223> Clone ID: LIB25-046-Q1-E1-D6

<400> 11394

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 tttttttttt ttttaaaacc aaataatctg cgaatcaa ttttaagttgt aaatgttaga 180
 atttccgatt cacttgcatt acacaaagag cactagtcatt tgatttgatg taagaatata 240

ctgaaatttg gtacaatcaa aagcgaaaga gttttatggt ttaaggtggt gggggcctttt 300
 tggattgaaa ttagaatctc ccaagggtcc ctccgctgtg tgcagttgta tcaatatagc 360
 caaaaaaaaa atctgtatga ctaaaaagcc agctcgtgct ttcttaacct acttgtcacg 420
 ccggtccttg gggagtaaata cagccttcct ca 452

<210> 11395
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-A6

<400> 11395

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 ggaaagggta ctgtcacaag aaagaagaag gctgtgcaca cgaccactac aactgatgac 180
 aagaggcttc aaagcactct taagagactt ggagttaact ccattcccgc tattgaagaa 240
 gttaacatcg ttaatgatga cgttgttagt cagttcatca atcctaattgt tcaagcttca 300
 cttgctgcaa acacatgggt tgtagcgggt tctccgcaga ccaaaccatt gcaagatata 360
 cttcctcaga 370

<210> 11396
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-D11

<400> 11396

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 tatctcggaa tcgacatgag ctgcgcgacg ggatctctcc ggaacgggtga cttcccggag 120
 aaagattgtc ttcttcctct aatttcaaag cttctcgggtt attgcctcgt tgctgcttca 180
 atcaccgtca agctccctca gataatgaaa atcgttcaac ataagagtgt acgaggctta 240
 agtggttggt catttgagct tgaagttggt gggttacacaa tttcacttgc ttattgtttg 300
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atcttggtgg cttgtatcta ttattatt

388

<210> 11397
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-032-Q1-E1-E9

<400> 11397

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aatctttttc cctcttcgat tctcacttct ttgtataaaa ggcttctcct tttctcaatt 120
cttcggcttc ctttcgcccc aactcttccc tcgaatcttt ccttctcgtc ttaaagctac 180
aataccctac atgtcggata tcttcgcaat gcacataaga ttgactgatac aatgattgga 240
atggagtaaa caagttgatc ttagcaagca tccttcaggg attgttcgta ctcttcaaaa 300
tattgtctcc atagtgaact tagactgcaa gctagatcgt acagccatag ctatgcatgc 360
tcggaatggg gaatattatc acaagcgttt tgctgcagtg ataataaga tcagataacc 420
gaatactaca gcattaatat tcgcctc 447

<210> 11398
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-E8

<400> 11398

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tggaacaag gagttcataa ttccgatctc tgatctatcg atcttcattt atatataaaa 180
gcgtgaatga gattatgatg gagtcgaaag gtggtaaaaa gaagtccagc agtagtagtt 240
ccttatttta cgaagctccc ctccggttaca gcattgaaga cgttcgtcca aacgggtggaa 300
tcaagaaatt caaatcttct gtctactcaa actgctccaa gaggccatcc tgagtaacag 360
cgtgcaccga tcttcataat atagttatag ctttctttac tttccagt 408

<210> 11399
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-077-Q1-E1-D8
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tctacaagga tgaagctgac aagactgggt caatgactga taactctgga atcagaaaga  180
tccttcccaa gtctgagatc tgcgactttg aattcgagcc ctgcggtac tctatgaact  240
caattgaagg ggatgcaatc tccacgatcc atgtgacccc tgaagatggg tttagctacg  300
ctagcttcga agctgtgggt tacgacttca acacccttga ccttagccag ctggtgacaa  360
gggttctctc ttgcttcgag cccaagcaat tctctgtagc tgtgcaactcg agcgttgagg  420
cg                                                                 422
  
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<210> 11400
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 11400

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gggtttctgg aaacaaggag ttcataatc gcgatcttga tctatcgatc ttcatttata  180
tataaaagcg tgaatgagat tatgatggag tcgaaagggt gtaaaaagaa gtccagcagt  240
agtagttcct tattttacga agctcccctc ggttacagca ttgaagacgt tcgtccaaac  300
ggtggaatca agaaattcan atcttctgtc tactcaaact gctccaagag gccatcctga  360
gtaccagcgt gcaccgatct tcataatata gttatagctt tctttacttt ccagtgtata  420
atcttcttct ttc                                                                 433
  
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<210> 11401

<211> 219
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-096-Q1-E1-E6

 <400> 11401

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 tgatgcttgc ttagagcaag atcctgaaag caaagtggcg tgtgagacat gcaccaagac 180
 caacatggtg atggtgtttg gtgagatcac taccgctgc 219

<210> 11402
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-024-Q1-E1-H6

 <400> 11402

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 aggagagacc agacggactc tgtgaccagc tctctgatga aatccccgat gcatgccttg 180
 atgaatgccc tgacagcaaa gttgcttgtg agatatgctg taagacctgc atggatcatg 240
 tcattggcaa gatcactagc aaggttactg ttgacgataa gatgattgtc catgacacct 300
 gtcgtgccat tggacttgct actgatgatg tcgctcatga tgct 344

<210> 11403
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-067-Q1-E1-A8

 <400> 11403

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 ccgcagcttt aagaaatgga gactttccta ttcacatctg agtctgtgaa cgaaggacac 120
 cctgacaagc ttgcgacca gatctctgat gcagtccttg atgcctgcct tgagcaagac 180

cctgatagca aagttgcttg tgagacatgc accaagacca acatgggtcat ggtttttcggt 240
gagatcacca ccaaggetac gattgactac gagaagattg tccgtgacac ttgccgttcc 300
attggattca tctctgacga tgttggtctt gatgctgaca aatgcaaagt ccttggttaac 360
attgaacaac agagcccaga cattgcccaa ggtgttcacg gtcacttcac caaacgt 417

<210> 11404
<211> 371
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-009-Q1-E1-E12
<400> 11404

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atcagaatcg tcatcatcgg acatgccgaa atcctcggcg actaacatct tcgcaggtaa 120
acacgtcgtc atgtctcgca aacgattctg acaccacagt tgccctgagaa actcgggtcca 180
tcaccaacaa ggacatagat cttgagtcaa ggaatatcag ggcaaacggt gtcactaac 240
acaatgttcg catcacatac catgtgactg tatgcattcc tgcagacgtc ggcctaaagt 300
gtgataactg cacagttcga gtcagcattt agcaacggag acgagacaat gcacgaggag 360
ggaatagtaa t 371

<210> 11405
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-044-Q1-E1-G7
<400> 11405

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tttttctgat tctgtatc gcatgaatt actgatttcc ctctctataa acccatcaaa 120
gtaaaccaat ttctcctgtg acttgtaacct aactcgatct taccagactg gtgatggcgt 180
ctttgaaccc ttctgatctt ctaggagatg atgctgagga tccaagccag ctgctgtggt 240
ctttgtctca gaaagtcgag aaagctgctg ctgctgttca gcctcctaag gccgctaagt 300
tcccaaccaa gccggctcct ccttctcaag cagtgagga gtcgaggaat gtcctcaag 360

gaggtcgtgg tgggactggt ggacgtggtg gattttcccg tggcaggggt aatggtggat 420
acaaccggga caacaggaac aatga 445

<210> 11406
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-027-Q1-E1-D7

<400> 11406

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caaaagcagt cgacaagtca ctttctccaa acgacgcaat ggtctcatcg acaaagcgcg 120
agaggtttcg attctctgtg aatcctccgt cgctgttgtc gtcgtatctg cctccggaaa 180
actctatgac tcttctccg gtgacgacat ttccaagatc attgatcggt atgaaataca 240
acatgctgat gaacttagag ccttagtaag taattagcta agaacgtcat tctaatttc 300
ttctggatgc ggtttttggg gttatgaagg atagaagcgc tgttcaagcc ggagaaacct 360
caatgttttg aactcgatct tgaagaaaaa attcagaatt atcttccaca caaggagtta 420
ctagaaaca 429

<210> 11407
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-085-Q1-E1-B10

<400> 11407

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agaaaaagaa gaagaagggtg agaaaagtga aggcaaggct ttgaggatgt cttttacagg 180
aactcaacag aaatgcaagg cttgtgagaa gactgtttat gctgttgagc ttctctctgc 240
tgatggagtt ggatatcaca agtcttgctt caaatgcact cactgcaaaa gcaggcttca 300
gctgagtagt tactcatcaa tggaagggtg tttgtactgt aagcctcatt ttgagcagct 360
ctttaaggag agtgggagtt tcaac 385

<210> 11408
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-003-Q1-E1-H3

 <400> 11408

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 cagcttcgta ggcttgttgt taaatacggc ccaagaaact ggacagtgat tagcaaactc 180
 attcccggta gatcggggaa atcgtgtcgt ttacggtggt gcaaccagct ttcgccgcaa 240
 gttgagcatc ggccgttttc ggctgaggaa gacgagacga tcgcacgtgc tcacgctcag 300
 ttcggtaata aatgggcgac gattgctcgt cttctcaacg gtcgtacgga caacgccgtg 360
 aagaatcact ggaactcgac gctcaag 387

<210> 11409
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-114-Q1-E1-B5

 <400> 11409

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 agaaactgga cagtgattag caaatctatt cccggtagat cggggaaatc gtgtcgttta 180
 cgggtggtgca accagctttc gccgcaagtt gagcatcggc cgttttcggc tgaggaagac 240
 gagacgatcg cacgtgctca cgctcagttc ggtaataaat gggcgacgat tgctcgtctt 300
 ctcaacggtc gtacggacaa cgccgtgaag aatcactgga actcgacgct caagaggaaa 360
 tgcggcgggtt acgaccatcg gggttacgat 390

<210> 11410
 <211> 252
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-084-Q1-E1-E6

<400> 11410

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ccatggagtc ctgaagaaga cgagcagctt cgtaggcttg ttgttaaata cgggtccaaga 180
aactggacag tgattagcaa atctattccc ggtagatcgg ggaaatcgtg tcgtttacgg 240
tggtgcaacc ag 252

<210> 11411

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-111-Q1-E1-B3

<400> 11411

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caccgaagat atcactagag ctactcgtct tctcgacaac gagattcgaa ttctcaagga 180
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ggagatgaat ccagaagatg atgctgagga agatggtgca aatattgatc ttgactcgca 360
acggaaagga aaatgtgttg tgttgaaaac gtctacacgg cagaccatct 410

<210> 11412

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-066-Q1-E1-C8

<400> 11412

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atcagcttgc ttccatgtcc accgaagata tcactagagc tactcgtctt ctcgacaacg 180

agattcgaat tctcaaggaa gacgcgcaaa gaacaaatct agaatgtgat tcttacaagg 240
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 gcaacattgt cgagattttg gagatgaatc cagaagatga tgctgaggaa gatggtgcaa 360
 atattgatct tgactcgcaa cggaaaggaa aatgtgttgt gttgaaaacg 410

<210> 11413
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-115-Q1-E1-B9

<400> 11413

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 tgtccaccga agatatcact agagctactc gtcttctoga caacgagatt cgaattctca 180
 aggaagacgc gcaaagaaca aatctagaat gtgattctta caaggagaag attaaggaga 240
 atcaggagaa gattaaactc aacaagcagc tgccttactt gggtggcaac attgtcgaga 300
 ttttgagat gaatccagaa gatgatgctg aggaagatgg tgcaaattatt gatcttgact 360
 cgcaacggaa aggaaaatgt gttgtgttga aa 392

<210> 11414
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-H10

<400> 11414

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 ttgatatctg gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct 180
 atcgatcttc atttatatat aaaagcgtga atgagattat gatggagtcg aaaggtggta 240
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 aagacgttcg tccaaacggt ggaatcaaga aattcaaate ttctgtctac tcaaactgct 360

ccaagaggcc atcctgagta ccagcgtgca ccgatcttca taatatagtt ata 413

<210> 11415
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-B3

<400> 11415

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taaaccggaa tcattctctc ctcaccacga ttggtacaca tctcaactca attcaagaat 180
catctcttct ctacacttac acaacctcct tccatggctt ctccgcttac ctgcactcca 240
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tctacacact tcacactacg cgtactcctg agtttctcgg tctcaattcc gaattcgggtg 360
ttcacgatnt cggttcntcn tctaacggng ttatcatcgg agttttaaga tactgggcgt 420
ttggctgaat ctagaagctt cgatg 445

<210> 11416
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-B5

<400> 11416

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ggatttctgc aagacaaacc cggctgatga ggaatgcaa gtctatgact gaacaacttt 180
gatcatttct ttctttatct ttacacaaaa caatactttg tatcatgagt tacttattcg 240
aaatcgtact atgcatactt gtttttctca taagattttc ttgtctgatg aacaactata 300
tgттаagact gagagaattg tatttgagaa aaaaaaaaaa aaaaaaaaaa aannannana 360
aaaaaaaaan a 371

<210> 11417
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-B6

 <400> 11417

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aaggaaatca agaggaagaa gattacggag aagaagactt taactctaaa cgtgaaggtc  180
cttcttccaa cactactggt catagcaaca gagattcaaa ggaaaatgat aaagctagtg  240
cgatacgttc taaacattcg gtcactgagc aacgtagaag aagcaaaatc aatgaaagat  300
ttcagatatt gagagaacta attcccaaca gtgaacaaaa acgtgacact gcttcattcc  360
ttttagaggt gatagattan gttcaatnat tacaaganaa agtgcaaaag tntgaaggnt  420
ngtatccang ttggagtcag gaaccaacaa agttgacgcc atggaggaat aatcattggc  480
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<210> 11418
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-B8

 <400> 11418

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cgggaagtcg aagaatgcgc tcttgtctac ctttttggtt cttgatcaaa tcgtctggct  180
tggtagatcc ggcatatata agaacaaaga acgaactgaa ttgcttggac gtatatcact  240
tttctgctgg ctgggatnat ccgtttgtac aagtgcagtc gaagattggt gagcttgga  300
ggntctcttc atctatgaag aagatggaaa aggaactcaa agctgatgat gagctgtatc  360
gtgctaagct tcagaaatca aacgacagaa ctctagcttt gattaaatca agcatggac   419
  
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<210> 11419
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-C1

 <400> 11419

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ccctatcgaa aacacattat ccttccccgg cgnacttcaa cgtngccggc gaggaagatc  180
ctctactccc acgcaattcg caactcctcc accaccgect tcacgtctcg catcatccaa  240
ttccactcct ccaacatctc gtccttccgc cgccagatct aaaggaagaa atggacacgg  300
aggtggcggg ggtggcgggtg gtggcggaga ccaaggacgc caatgtccac tgacgagcca  360
ctgccttctt ccgatgacgg tgaagaagac ggaggcgacg atactactcc gactttcggt  420
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                                                                 498
  
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<210> 11420
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-C2

 <400> 11420

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ttcctggact cggcaccaaa gattgtctca ttccttgatc caagatgggt gggaaaacgg  180
ttttggtgga caacaaagat tttctcaagg aactggaatg agaagagcga tgaatgaagg  240
tcgagatcac aaaaccataa taataaaaat gtgatcataa aataaaagga agacttagag  300
tttgatctaa aataagaaga tgtgggttan tttgtgtcnt gcnangtgtg tgtgcnctt  360
tcctttgtcc ttgagcctaa aagttaaaac tcnagtcna tatggacctg aataaaaata  420
  
```


tttccaccac cttgaggttt tgggtgtttgc gggttatggac gggttt

465

<210> 11421
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-C4

<400> 11421

gacttcnanc tgctcggcag ccgtcacaga ctcaaggggc ganncacgcc tctaaatcga 60
gncanntnaa ataacatccc ttgtgatcaa acaagtaaag cattcaaaag atgaaaggaa 120
gaattttgat tttgagtttg ctcataatga gtctgggtcat ggcacaagtt caagtagaag 180
caaagatctg ctgcccttcc aaccaagcta gaaatggcta tagtgatatgc cgtataaggt 240
tttccaaggg aaggtgtatg caagtgagtg gatgccaaaa ctctgatata tgccctcgag 300
gttgggtaaa cgccattctc gaaaactcag ctgatgctac caatgagcac tgcaagttag 360
ggtgtgaaaa cttctgtgtg tggtgccatg aacaccctca agaaccctga ncaagttaaa 420
atgtaaagga ncctccggac aatgttccaa nggatgttcc aatttccgta ccaagagcta 480
tgtaatccca cctggggccgc ctaaactgtt g 511

<210> 11422
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-C5

<400> 11422

ccggaacngg ncaccaggnc ncnnggnncn ntncannct ctacaatnag tcgtattact 60
tctttttttt tctctttctc tcttggttct tcttttagaaa gtgactcacc agaaaaaaaa 120
aagggttttt gcttttcggg tttagctaag aaaaatcttt caatcttcct taaatctttc 180
aaaaccccaa aatgggacct cgttgctcta agctctctct ctgttggtgg ccgacccatc 240
tcaaataaac tcacaacgaa gcttctgatc tagataacgg aacggacgat ttgccgtcgt 300
ttacggagtt tagtttcgac caactacgag ctgctacttg tggattctct acagacagta 360

ttgtctccga acatggtggt aaagctccna atgttgtgta taaaggcaga cttgaagatg 420
accgatggat ccngttaaac gattcatana ttcgcttggc ccggaaaccc nnaantt 477

<210> 11423
<211> 163
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-C7

<400> 11423

taangcgatg aaccagttga agacaangan gccttggtcg ttgtctttct cctttggaag 60
ggcgttgcat gcagagcact ttgaagacnt ggggaggaan agaggagaat gtgaagaagg 120
ctcaagaacg ttcttgggtca gatgcanagc tanctctgaa gna 163

<210> 11424
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D1

<400> 11424

ggngaantgt ttaancttnn ntgnaggntc tcaaagaatt canagggctg accnacgcgt 60
caactctatc tctctcaatt tcctcatctg ggtcttctc gtttgctcgc ctttaagcacc 120
atgaagggtca ccgtcgtctc ccgcagcggc agagaagtcc tcaaagctcc ccttgacctc 180
cccgattcgg cgactgttgc tgatctgcaa gaagcgtttc ataagagagc taagaagttt 240
taccgcgtcga ggcaaagact gactcttccc gtgactcctg gatcgaagga caaacctggt 300
gtcctcaata gcaagaaatc actgaaggag tactgtgatg gaaacaacaa ctcccttaact 360
gtagtcttca aagacctggg ggcacaagtt tcctaccgca cactcttctt cttcgagtat 420
cttggccctc tccttatcta ccctgtcttt tactacttcc ctgtttacaa gtttcttggg 480
tatggagagg actgtgtgat tcatccgg 508

<210> 11425
<211> 481
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-117-Q1-E1-D11

<400> 11425

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nnnnngnnnnt tngnaagctc tacgccgccc anacacnggt canggnntcn cgggncgaca 60
nagcgtcna aaatnantcg tantataata aaacaaaaaa atatcttttt tttttctaata 120
aaaaaaaaa taataaataa atatgagata cacaaatgtg tccattttat taggcatgtt 180
ggtgatcttt gtttcaccaa tgggtgttcgc agatgatttg acaccaatcc cagagggcaa 240
acccaagtgt gtgcagtggg tcaatacca cgttgggtcca ttggtcaac gtaaaggctt 300
agatcctgct ctgtagctg ctgaggctgc tccacgtatc atcaacgtga atccaaaggg 360
aggtgaattc aaaacactaa cagacgcaat aaagagcgtt cccgcaggga acacaaagcg 420
ggtgatcata aagatggctc atggtgagta cagagagaag gtcactatcg acaggaacaa 480
a 481

```

<210> 11426

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-117-Q1-E1-D2

<400> 11426

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cggctttaca attcctaaac aatttagcct tatnccgaan gaaatccngg tgatnttgac 120
nagaatttgc nngatttggg tggtttaagt tncaaagccc tcaagaaaat tgtgatctcc 180
aaggctcaca aaagggggat aagatcaagg gttcactatc ggggaaagtt aactgatgga 240
actgtctttg attcaagttt tgagagaggt gaccctattg agtttgagct tggaactggg 300
caagtcatcc caaggatggg accaagggtt attgggaacc ttgtgttngg tganaaagan 360
aaagttngaa atccccatcc aaagccttgg gttatgggtg attacgntc nncacaaaaa 420
atcccggggg ggggcnacac tgatattcna caccgaacct gttgctgtta acggagaacc 480
atccagcgaa gcgaa 495

```

<210> 11427
 <211> 341
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-D3

<400> 11427

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ggnattanan ncagnancct ncnattgttc gncncgtcag gcctactcgt cctgataang 60
gctcgtcggt tgggttacaa ggccaagcan ggctttgttg tgtaccgtgt acgtgtgaga 120
cgtggtggac gcaagaagcc aattgcctaa ggggtantgtg tatggtaaag ccaacaaacc 180
aaggggaagt acacaactca agttccaagc gtaacaaagc cgttccgttg cctgaaggaa 240
ccttgctggc aaggaaaant tgggttggtc tcaagaantt gtcaactccn taactgggct 300
caaatgaagg attccgacct acaaagttac taacgaagaa t 341
```

<210> 11428
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-D5

<400> 11428

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gnnannttaa nancctang ntcnnaacaa nacataggnc ncgtngtnch ttncaanncc 60
ctanantgag tcgtattagc ttttggaacg atttacgaat ccagatttgt tgaatcgtca 120
caagcagact ccgttaatgt tggctgcat gtatggaaga atctcttggt tgaagaagct 180
agctgaagtt ggagctaata ttttgatggt tgattctgtg aatcgaagaa catgtttgca 240
ttacgctgct tattatggac atgctaattg tgttcaagct attctctctg ctgctcaatc 300
aagtcctgtt gctgtccatt ggggatatgc gagatttgtg aacataagag atgataaagg 360
agcgactccg ttgcatttag ctgctcgaca gagacgacct gaatgtgtga atgttttgtt 420
ggatagtggg tctcttgttt gtgcatctac tagtgtatat ggttctccaa ggaagcacac 480
ctcttcattt agcagctaga ag 502
```

<210> 11429

<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-B2

<400> 11429

cnaattcaa cnaacgcaa aaggtttccg nccgccaagg ccgntanogg gtttccttcc 60
nattcttaac nttnaactnc aaattaaatt nggaaaatcc tccttgatnc ccnatgacaa 120
gggattcaaa ggactgtatt tgatctacca gaagagatcg cgaaagagct cctagagaaa 180
gatgtccccg aaggcaacag tttatccatg ataacaaaagt tacctccact tcaagatgac 240
ggaccatcta gtgataacta cggacggttc tctagcagag acangatgcc taaaagaaga 300
agaagttcca aaaggtcaan aagcgtaaaa gaagatnatc acnaagccnt nataattggg 360
gaagtnatga tgacagaagt aataaaaaga ncaatgggtg aagaaacaac tgggtcccgaa 420
gtggtaat 428

<210> 11430
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-H11

<400> 11430

nngnnnnngng nngtanttc nacgccggtt tgtaccgncc acnaattccc gaggtcgacc 60
cacgcgtccn atgagcttaa gctcaaggct ctcaangaaa agagcacatt gtcactacc 120
ctttaccagt ccaccggttt gggccaacag caaaacgggtt tcctcaactg caccaaattc 180
aacggaaaga ttacttttg ttctggtgtg aaaggcgctc ctcaaaccgc tgaatacatc 240
acaaccgttt tccgtaacct gtacaatctc tctgtggtcc agatcagcat gccattgtg 300
gcacctggac tcggggtctc cggttaaggt tcctccacca ccacccatgt cttcaccacc 360
ggcccatct cccaagaagg gtgcagccac tccagctcca gtcctgctg atgaanggga 420
ttatgcagat gtcctcctg gtttagctcc agaaaccgca cctgcatctg caacatcaga 480
aagtgat 487

<210> 11431
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-H3

 <400> 11431

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antttctacgc nnccggtgcc ggtcanaaat tcaangggnc gacgacgcgt caanggacga    60
cgtggggccgg ngttaaaagc ttcggtggng gncncttgac ttcncngana aaaagaaaag   120
gaagctgagt cncatttttag attcagctca cgaggaagtg acgacgatgt ctcatcttag   180
aagactttcg ttggaacctg ctatagattc aatcactggt cgatttcgtg atttacagag   240
aaatgatgat gacgtcaaca aacctgattt tcgagaactc gatctagggt ctctgttttc   300
taccttaatg ccacgtggct ctgcttcttc ttccgtgct gcgactccta ctagcagctc   360
tggctcttct ggctctgctt ctggtaaacc gtcggtgagt tctcagatgg ctaaacngtt   420
agatgatgcc tacaagantc attcccgggg aactttcaan ccccggnntc ggaatgccga   480
caacaaccng                                     490
  
```

<210> 11432
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-H4

 <400> 11432

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tgtgcccctc aagnntcana gggtcncggg ccgacncacg cgtcnagtan tcnnaanann    60
ttccctgcga cgcacccaac ctccgtctct ctctctctca gatcggcggc catctccgtc   120
gagtaattga aatctctctc agccgttgga ttcgaaattc gccgcatctt catatacctc   180
gtttcaatcc tgcggaacct tagttgctct gaattgtggt ttgctactgt gataagttct   240
tcagtggtag attaggaagc accaccaatg gagattgtgt aagacatatt cattacaagc   300
tctcttttaa ggattatggg gtctgtttgc tgtgtggctg caaaggacag aaatgttcca   360
gtggagctat tgataattca gtgtgttcac atgcnggant ttncncggac aacaggangc   420
  
```

gtgttctgnt gagattaaaa ttctctaate anangttgga gnaatg

466

<210> 11433
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-H6

<400> 11433

gttcagcggc ccngtaacgg tcacaggact cnnngggccc acccacgcgt canaggaatc 60
tgcgtgttgt ttgaaatagc aacatcattt aacagctagc agataaagtg gagttttctt 120
tcagttctgg ggtttgaaag gtgagtatgt ttttgagtgg catgtaactc cggcagtgga 180
gtttgggtca gccaaaagca gttgttggcg tatacataaa agtaggagag ttagcaaaga 240
attcatcatt tctatcttgg ttatttgtgt tgtgcagggtg tgcttatatg ggcatgatg 300
gccagcctgc ttctatctcc tgatttctcg tgtttgatcc ctgaagttct acttctgaaa 360
atctttactg atatattgtg tataattgct agaaatcctc aattcctctg aaacttggtt 420
ttgcacaata atanggtgat tgcattgaca gaggggaantc ttgcaactgc aaagcaaaat 480
gagatt 486

<210> 11434
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-H8

<400> 11434

tccnngtngc ccntcaaagn ntcacaggat tcnngggccc acncacgcgt cnaagtattc 60
ttaaagcaa ccattggtgt gattgactct ataagagaat tcgtcagcgt gaagcaatct 120
ccaatctaata cgcagcatat cttctccgat tctattcgt ctctgcaatt gaatcttccg 180
gtaggcgaag atggcgacgt ctgcgaggat ttgttgcgga ggaggaagtg catgcgcgt 240
tcgttgtgat cgtgcacgt taaatttgaa ttctcgatcg tcatgtgttg ttccagtgac 300
gaatcgacgg aatatgtgtg cgatcgggaa gatttcgatg tcgatggagg atttgcacc 360

accgtctgcg gcggtgaaga ttgaaaggat cggtggaagg gaaacgcggt ggatntgttg 420
 tgtccaaggg aagaanctan atgtngtggt tganaaattc ggtgggttga aattcgtgaa 480
 agaatcttaa aaga 494

<210> 11435
 <211> 55
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-H9
 <400> 11435

ttgctttctg naaaacnttt tcgaattttc aaaacaacat cccttgattt ggcac 55

<210> 11436
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-A2
 <400> 11436

ccgncanngn ccaagggncg nngcacncn cnagattnac tcctataanc ccnnaaaggc 60
 aangtcctnc ggtgtgatgt gacggggaag gttttaatga aatgttncct tncgggaatg 120
 cctgatttga agttgggggtt gaatgataaa attgggtcttg agaaggaatc agaaatgaaa 180
 tctgcccag ctaagagtgg taaaaccatt gagcttgatg atgtcacatt tcaccagtgt 240
 gtgaacctga ccagattcaa ctccgagaag actgttagtt ttgtaccacc ggatggagag 300
 tttgaactga tgaagtatcg aataacagag ggtgtaaatc cgncttccg tgtataaaaa 360
 cnatcnaaga actggtcgta cacgtntgga agtnaatgtc naggtcnaaa gtgtgttttg 420
 tgccaaaatg tttgcccctg gggtcgtggt taaaattcca gtgccaaaac aaacagccaa 480
 gac 483

<210> 11437
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-A3

<400> 11437

tanccggnncc ggcncgcctc acacagtcaa aggactcccc ggncgaccca cgcngncaac 60
ttntnaattt ggttnctncc nacctnanaa ccncctgtt gaacctncaa ttncgttttt 120
tngncnaatt ncgancncga ttttgacgat tcgttttgtt tgtgatctga ttttgagttg 180
tttctccatt acgcttggat tttgacgttt tagatctcaa aaggaagtac gatcatggag 240
gaaggttgca actgtgttta ctcaaggatg gcctcaaaat tcagcattgg tttattgatt 300
atlttggcga tcgttcttct aatggttcgt gtactgtatg ttatataccg atgtggcaaa 360
ccacttccaa aaggagcttc acagtctttt actactctta ttgttcttgg ttctggggga 420
cacacagcag agatgttgag tctcctctct gttttgcggg aaggatagat ttacacaaaa 480
ggttttacat tg 492

<210> 11438
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-A4

<400> 11438

aangttacgc cnccggtagc cgtcaaagaa ttcangggtc gaccacgcg tccgatttgg 60
gcttagcttt ttcgtcccca aatattgcgc ttcacgaga ttgctagggt ttctcctctt 120
cgatcttcgc tgctcatcaa catctattga ttcaattttc gtgctattgt ttccctctct 180
gatttcttaa tcggaaattt cgtctcgatt cgattcatta ggttccatca ctcttttctg 240
atcggtgaaa ggaggagaag acctgttggt ttcttatgta agtgattctg atattcgtaa 300
tctgttggct ggtttgatga ggaagaagcg gaaaggtagt gaaactgaag ggtgggaaaa 360
attaacaaat gaattancat gttcaactgc atcacgatna accaacttca agncccaactt 420
ttcactaaaa gggatatgna aacttaagaa acggtgttag gagactgaaa ctgtcnantc 480
ngttgggtcc cttaaganac gaaatg 506

<210> 11439

<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-A6

<400> 11439

ngnnnnnnnt tnaacttctc acgccgcnc a gtaacggtca cagaattccc ggggncgacc 60
cacgcgtccn ctattttctc agtctctctc tcagataatg gcaatgttgg gcttggtttt 120
atctgttctt actacaattc ttgcattgtc tgaagcaaga atcccaggag tttaacaatgg 180
tggtggttgg gaaactgctc acgccacttt ctacggtggc tctgatgctt ctggaacaat 240
gggaggagct tgtggttatg gtaacttata cagccaaggc tatggtgtga acacggcggc 300
tttaagcacg gctctgttca acaatggttt tagctgtggt gcttggtttg agctcaaagt 360
tgctantgat ccaaatgggt gccaatccgg taatccttca atcctcanca atgcgaataa 420
attcngtcct ccgaactttg ctcaacctaa tgacaatggt ggggtggtgtt aacctcccaa 480
aactcaactt gatcttgcaa tgcctaagggt tcccaaa 517

<210> 11440
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-A7

<400> 11440

tnngnanntt anaacgntna cncgccgana gcggtcaaag anctcccggg ccgacccaan 60
cgtcnacgat gaaaagaaat tgtttggtgt taccactctt gacgtcgtca gggccaggac 120
tttctatgct ggaaaggcaa atgtcccagt tgcagaagtt aatgttccgg tgattggtgg 180
tcatgctggg gttactattc tccctctctt ctctcaggca actcctcaag ccaacttgct 240
aagtgcata cttaccgcc ttactaagcg taccgaagat ggaggtacag aagtcgtgga 300
ggcaaaagca ggaaaagggt cagctacatt gtccatggcc tatgccggag cattgttcgc 360
tgatgcatgc ttgaaaggac tcaacggtgt tccagatgtc atagaatgct catacgtgca 420
atctacaatc accgagcttc ctttctttgc ctcgaagggt aggttgggga agaatggtgt 480

ggaggagggtt cttgacttgg ac

502

<210> 11441
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-A8

<400> 11441

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cgcgctcnaag aatggctaga tactcaagaa ccgcgagtct cataaccata gttagagacc 120
gcgggtcagg agaagttaaa accgaaggca gaataaacta caccgtggac aaaaccgaca 180
gagataatct caaagctggg cttagagagt cgctaaggat actaatagca gctggagcag 240
aggaagtggg aactcacaga agcgacgggc agagactaat atgcaaagggt gtcaatgaga 300
attcgatcca agagttttta gactcgggtga gtacagagga aggagcaaag ggaatgactg 360
agaaatggaa cgttttataag ctcaactcat cagatgggaa gctgttnaat tggngaaaat 420
gaaaaagaaa gtgcaatana tttgaatgga naaaatttgg aaanaaaana atttgtttgt 480
ttccaatgca attgcnttgc cnaatgccgg ttgngtnaa c 521

<210> 11442
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-B11

<400> 11442

ngnnnnngggg ngggnnnttn gnagccnaag cgncgaccng gtcaggcnct cgcgggncgn 60
nncacgcntc taaaatggtt catctgntgg agaaaagctt cgagacagag aacaagctag 120
agcctgaacg caagactcag cttgccaaga agcttgggtct acagccaagg caagtggctg 180
tctggtttca gaatcgccga gctcgttggg aaacaaaaca gcttgagaga gactacgac 240
ttctcaagtc cacttacgac caacttcttt ctaactacga ctccatcgtc atggacaacg 300
ataagctcag atccgaggta cttatacatg ggactattat ttatctcaac aagattacaa 360

attgaatgat ttaccttaat tgggtccaaag gagaaaaata aaanaagcat caagtgaaaa 420
gagaatatgc ttttcttatt tttcaacaca agctgataga gagaatccca tccatccatn 480
tatatata 488

<210> 11443
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-B12
<400> 11443

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gncgacccan gcntcnaccc acgctncngc ggacgcggtgg gatttggtgt gttcccgggc 120
acttctactt ttcacctttc ttctcggcgt cgtctaattt ctagggttcc cctgtatttc 180
accgtcanga gcaaatacaa catgtcgtcg ctgcgtaatg ctattccacg gcctgctcat 240
aatgagcgat ctcaaccgga agcgaggaat aggtttggca tcctcgagaa gcataaggat 300
tatattatcc gagctnatgc ttatcacaaa aagcaggaaa ctttaaagat acttaggcan 360
aaggctgcat tcaagaatcc agatgaattc aactttaaga tgattaatag taaaacagtt 420
gatggacgtc atacaccaa agatgangta aataaatact ctgcggaaga gcttaagant 480
atgaata 487

<210> 11444
<211> 203
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-H10
<400> 11444

aaccggagga aacgaatccn tgggnctcct ncgcaacggt aancattggt tggggtgaaa 60
aantcctgaa tgaagggtgt tgaacggtca agaaaaaccc ccattgcttc atgcaaaggg 120
tttaagncan tttaagaggt agatttaagg taactttcct aacggggaca tttacgtttc 180
caatcctaata ncggtgggaca nac 203

<210> 11445
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-E5

 <400> 11445

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gctctctcgt gtctgccc aa cctccgcta taatcgtatc tggctctgctc atgcgcgtga   60
aatgccacgc gccaccctcc ttctcctcca acccaacttc ttccactctt cccccaaaac  120
tgctcttggtg aatcgtctcg atgttacttc atcggagttt tcttccatgt tccgtcggag  180
cttccacgct ttacgcagca ccgtaggaga ctggagaaag cttccgaaac cgccgggtca  240
ggtttttgcg gagaggagag aatacaggaa gattagaagg agagctccga agaagaaaca  300
ggaattggag cttagtgtta gtatctgcat cgaagaacag cttcctgatg atttcgagat  360
tcagaatatt gcagaaatgc ttcgtcccaa tgtactaang caatgacatt ggctttcaat  420
ggt                                                                                   423
  
```

<210> 11446
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-E6

 <400> 11446

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gcccacgcgt ccgcccacgc gtccgggtcag caacagtctc agcaaccaag cagtgggtggt   60
agctcagccc caccaacaga taccacaggg tacaattact accagcatgc ttctgggttat  120
ggccaagctg gtcagggata ccagcaagat gggtatggag cttacaatgc ctgcagcaa  180
tcgggatatg gtcaagctgc tgggtatgat caacagggtg gttacggcag caccactaat  240
ccaagtcaag aggaagatgc atctcaagcc gctccaccat cgtcagctca gtctggacag  300
gctgggtatg gtacaactgg tcaacagccg cctgctcaag gtaatactgg tcaagnaagg  360
tatgganntc tccaacttct caggctggtt acagcagcca gccagcagca gtttacattc  420
tg                                                                                   422
  
```

<210> 11447
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F10

 <400> 11447

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nngnnnnnngg nnnngnaact tctacgccgg nntgtaccgg cccacaaaat tcccanngnc   60
gaccangcgg tccagctcgg cttcttgatg aagaaaatgc attctcagct accacaacca  120
cccttggttc aggttcaggt tccaccgga ttggttttgg tgcaggaaca gggtaagtg   180
gttcaggttc cacgggattc ggttttgggt caggatcagg gtcattcggg tcaggttcta  240
ctggaagcgg tctcgggtgca ggtacagggt caataccatc aagtgggttc ggtcctggtc  300
ttctaccaac tgccagttct gttcctggtt ctttagcggg tgggtggttc ggttccttgc  360
ctaccactgg ttcagccact ggtgcaggtg caggatcagg ttcagctctt ggaggtggtc  420
caggtgctgg ctcagctctt ggtggtggtg cgggtgccgg tccanctcct ggtggtggtg  480
ccggttgcc                                     489
  
```

<210> 11448
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F11

 <400> 11448

```

tgnnnnntgg nngtanttc cacgccgnnn tgtaccgccc ananattccc naggnccgacc   60
cacgcgtcca nngtttttca tgggaaaggc tgtgttacca ggaagagaag tgcctgcagt  120
gttcgatcac agagccaaag gatattcatt gaccattcgt ccagacggta acccttacac  180
cagctttgta ttttgcgttg tggtttcccg taaccaaaaa agtgataaaa ccattcctcc  240
ctcactattg tggcgtcgca tcatagctca agatgagggc tatcccgttg aggtctggaa  300
ccgcatagga gatgtcttca aatatcgaac ggaacatcta ttaatatttc acttcgactt  360
tctagaattc gacaacaggg atatagtgtt cgaattcagc agcgaatccc acgacttcga  420
  
```

cattattgaa tgtggtgcta aagtcttggc cgaaaagagc atcaaagaaa gctatgaatc 480
 tggggt 486

<210> 11449
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F4

<400> 11449

nngnaanttt taaactctca cgtgnccgtc aaagnattna acgggncgac ncacgcgtcc 60
 nagcgccaag ctcaaagca gcgtagggac cctaatactc cttctcttgg cgggtccaatg 120
 aatgctattg gttctgaagg gatgattggg cagtctaata ctagtgcttt ggctgctaaa 180
 atgtacgagg aacgcatgaa gcagcctaata cctatgaatt ctgagacatc ccaacctcat 240
 cttgatgcaa ggatggccct tcttaaatca gcaacaaacc atcatgggtca gattgtccaa 300
 ggaaaccatc aaggaggtgt ttcggcagcg ctgcagcaaa ttcaatcacg aactcagcag 360
 cccactgaaa tcaaaactga agttaatttg ggtacatctc caagacaact gccagtggat 420
 tcttctacaa tttaatggca agggaattct gcaatcaaac ctgggggatgg ggaatgcagg 480
 attaaaccct ggaatnaant gg 502

<210> 11450
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F5

<400> 11450

acgaggaaa ccaaagagag agagagagaa acaaaaatgg cgtcacagag ttgctacaat 60
 ggaatccatc gtataaaaag ggttcacct ctgattcact ctctcacatt tcatgatcc 120
 tctcatctt ctcttcatt caaatctcac attccctctt cacaacaaca gcttcgtatt 180
 cgctcatctt cttcgcttct tgatcttggg aatcgaggc attgttcgtc tactcgagga 240
 tttcaatttt ggtcatacaa gagaagcgaa gcagcgtcgc cgttcaagac gaggtacaga 300

gaaaacgaan aagaagaaga tatgacgatt aaaccggcgg ttcgtatttc cgacgggaat 360
 ctaatcatca aaaaacnggc gaattctaac cggtgtacca gataatgtca tcacgacgtc 420
 agcatcggaa g 431

<210> 11451
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F6
 <400> 11451

gttcttccga cttgtttaag ataatttttc gactttgttc ggatcttttg tagccttttg 60
 cagctttgaa acccagtttt tttgaagctg taaaattcca ggagttttaga tggattcttg 120
 cattgttgga tggttgatta gtctaccaag agaaggtaaa tccccgcttg tcctaataga 180
 tcgttaaaag cgtcggttct acttttggtt gattcaatca agtggttgcg gttgatggaa 240
 acgaaatatg aagatttgga gttctcatcg tgttttgatg attctctcaa gaatattttg 300
 gatctggatc actgaggatc aatttccggt gagcgagttt aaatccaacc aattcttccg 360
 gtgatnaatc ccaaaangna ataagtacca taanaaggca aaaggagtga 410

<210> 11452
 <211> 273
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-F7
 <400> 11452

aaggagaaca agaacatttg gatacagaag aattgacaca aacaactacc ccatgacaca 60
 atacacattc ttgttgatc ttcttctttt ttcacacgag attattcttc tatgtaacca 120
 tggcgaataa ttattgtaaa gtctatacgc acgcagctat atcaaaagat ataagcagta 180
 tctatatcta caagttaccg ttaggtttta ttaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aagggngngn nnacaanagg ntc 273

<210> 11453

<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-G2

<400> 11453

ggnhngnannt ttaaancnctc ccgntcnnga nangnccnag ggncnntgca cnnncnctagn 60
ntgaatcgta ttataagaaa cctccttaaa gaacaaagaa aaaacttggt gaaatcgatt 120
ctcttcaaag atcgtcttcc taatcacttt caacaactcg atcaatcctt actgagacga 180
tgccgaagaa caaaggaaag ggaggaaaga acaggaagag aggaaagaac gaagctgatg 240
acgaaaagcg agagcttata ttcaaagaag atggacaaga atacgcacaa gttcttcgta 300
tgctcggtaa cggtcgatgc gacgttatgt gcattgacgg tgtaagcgt ctttgccata 360
tccgtggtaa gatgcataag aangtttga ttgctgctgg tgacatcata cctgttggn 420
caagagatta caaggatgat taaancgatg ttatacccaa gtatagtcga tgaggctagg 480
cttcttaagg cgtatg 496

<210> 11454
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-G3

<400> 11454

aacttctacg ccnnccggtg cccgtcanan aattcaacgg gtcgacgcac gcgtccaccc 60
acgantccgc tttgtcgaga acaagatggg tttcagttga anaggatcaa acagttcact 120
gatattccct cagaatccga gtgggagaga aaagaaaccc ttccaccttc gaattggccc 180
ttccatggca atgtacatct cgaagacctc aagggtgcgct acagaccgaa cactccactt 240
gtgctcaagg ggatcactct tgacatcaaa ggaggagaga aggttggtgt gggttgacgg 300
acgggaagcg ggaaatcgac attgatccaa gtcttgttca ggctttaga accatcagga 360
gggaagataa tcatagacgg gattgatata agcactctan ggctacatga tctcaagtca 420
aagattcgga atcattccgc aaagaaactg tctcctttg aanggaaccg ttaanaanca 480

acatcgaccc cgacagganc aat

503

<210> 11455
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-G4

<400> 11455

nnnnnnnttt naacnnetca cgcgggtcat gtaancggtt caagggncgg acggaccgcg 60
tncgaccaan cctnncggg cccctngggg taaggaaatt tncacanttt ncaagggttt 120
ggtgggtngg caagttagat gatcttcccg aacaatccgt ttacatggg ttggaggtat 180
ccatgaggtg gttgcaaagg cagagaagat cgctaaagag tcagcagctt aagagattga 240
ttcagatctt gcatgcttaa tacttctctt ttttttctg acaataacga aaaaaaaaaa 300
ccaatgcgtg cgactctccg accaaacgga atctgagttc cgtaattata gtttcttttg 360
gttcaaattc catgagagct gggcaaagat gatactgaac aagattcatt cactgttaat 420
ccaatttttg ggtgttttgc ctcttttgtt gaaataaagn tgaaaatctt gcaaaaaaaaa 480
aaaaaag 487

<210> 11456
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-G5

<400> 11456

atggaacata tggtagaatg ttgagtttgg ctactgatgc tttggcagag aacaaacttg 60
agaccaaaga cttatggcag gagccgaagg aacaagcttc ggcgtggaag ccttgtgcgg 120
atcaacgttc tttgactcct gacgatggca aaaatggata tattatggta actgcaaacg 180
gagggattaa tcagcaaaga gttgctgtat gtaacattgt tgttgtagct cgattgctca 240
atgcggtctc cgtcattccc aaattcatgt taagtgcgt ttggacagat gcaagtttgg 300
agatatctac caagaggaac attttatgga gtacttgctg cccgataatc cgataattaa 360

agnaccaaca aaaagagctt caacctctna accttgaaga atcgggtacg tct 413

<210> 11457
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-G9

<400> 11457

ngnnnntggn nngaanttna cccgncctgt accgcccana aattcccagg tcgacccacg 60
cgtccgattt gtanagegat tcggtctttt gttaacccgg aaaatcaagc ttggtgtctt 120
cctcctcaca ctcgtaaagt cgcaatgcc gatacacgaa ctctgtacac ggtgctaaga 180
tcgcctcacg tcgataagaa gtctaggaga acagtttgag atgagggttca ngaaacggtt 240
tcttgtcatc aaagctcana gtcattgactt gagcangaag ctgttttggg taaaacgtta 300
tcgtattctt ggagctcaat atgaactcca gttccattgc aagaccggtt tggatatgac 360
tcaagtgtta ggcaacatca atgggtccac caccaatgct tactgagatg gntaaagaca 420
tcattttgta naagtttcaa gacccatccg ggtactaagc aataattttt ancttacgg 480
t 481

<210> 11458
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-H1

<400> 11458

ngnaanttta cctgnccggn gccgtcaagg antnnagggn cgacgcacgc gtccacggta 60
aaangttcta tggaaccata ccgggagatt gtatgcgaga ttgcttgtct ccaaaacgtt 120
tctctctcga ataattactt cactcagggtt ggtccgaaat gtagaaaact catcaagaga 180
aaaattatgg acgttagtat gaattgtata cttgatcttc caaaccagaa acgccatcgg 240
agtgtgctaa gttcttcatg cggaacaga cttgtcctaa ttccaagtct ttgtttactg 300
tcccttgtga taagaatcca aaccggggta aaccggatca agaacgattg gaggaggaaa 360

aagctcaagt ttctcatccg gtaacttaca acacacttaa cccggaccgg cttcggaatc 420
 ctataacccn tgggcgtttt ttcctaacaa gttacgatat atatatatat atatatatag 480
 ccaaagccaa ntt 493

<210> 11459
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-E4
 <400> 11459

nnnnngnaac gtntacgcn nccngtgccg tcanagaatt caaggggncg acgcacgcgt 60
 ccnacttttt acgtcaagca atgggagggt tctgatncaa nctacatcca agcancaaga 120
 gcatagatta agattcgaat ttcatcccta accaaccaga agaaataccc gtgattgatc 180
 tctcgcgcct cgatgacccc gaagatgtcc aaaacgttat ctcagagatc ggtgatgctt 240
 gtgaaaaatg gggatttttt cagggtgctta atcatgggtgt gccttctgac gcaaggcaac 300
 gtgtggagaa gactgtgaag atgtttttcg atttgcctat ggaagagaag ataaagggtga 360
 agagagacga tgtgaatcct gtaggggtatc atgatggaga acacaccaag aacgttaaag 420
 attggnaaga agtgtttgat aattaattca aaagattcaa atgggncatt ccntcaaaca 480
 actgatcctg aagatgaagg cttaagact 509

<210> 11460
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-D2
 <400> 11460

cangncnagn gggncgagca gccncnata ttaattcgta gaaggaatga aaanaaaagg 60
 aanccgtgtc cctggnattg gtcacaggat aaaggagcag agacaacaga gacaaaagag 120
 tggagctgct tcagaaattt gcacgggtcta acttcctgct agtgaagtac atggaatagc 180
 cagtccaagt ntagacatac aactgtgcta aagccaacaa cctggtactc aacgtcgatg 240

gagccattgg atctctcttc ttagaccttc tcgctggaag tgggatgttc acanaacaag 300
 agatagacga aatagttcag atcggttatc tcaacggcct cttcgnccctc gctcgatcca 360
 tcggtttaat cgggcacaca ttcnattaga aaanactgaa gcncnccnctg ttacnanacc 420
 cgttgggnaa attcttggtt accccagttt ncc 453

<210> 11461
 <211> 87
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-D3
 <400> 11461

gaggtacaag ttagcgggag catcnanacg atcgtttaact tccgttgag tccaaccnag 60
 gcgaacgcac caggtggtct tncgtct 87

<210> 11462
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-D4
 <400> 11462

agcntcnaan ttgactccng gaacncaaac tgaactccgc ttctaagatc cttcgacgga 60
 nagaaagata tttcagatct gatcggagag aatcattctc anaattttctc cattctaatt 120
 tctctttctc ganagagtga anagagacaa canggaagga agaggaaaaa tggaggaatt 180
 cttagataag ttgccgcaga tggatctgat gcgttcggag aagatgacnc ttgttcagct 240
 tatcatccct gttgaatccg ctcanctgtc catcacttat ctcggcgagc tcggacnct 300
 gcagtttgcg gacntaaatg ctgataanag tccctttcaa cggggcattt gcnaatcagg 360
 tnanac 366

<210> 11463
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-D6

<400> 11463

gnnnnnnnnan ngttaactcn ccgccgcncga ggtaaaggct acgagaattc ccggggncga 60
cccacgcgtc cncggagaga gatctgagag agaaagagag atcagattcc ggtgttccaa 120
ggaagcacat attttaagat ccagaatcgc ctgagagatg tctaccttca gtggcgatga 180
gaccgctcct ttcttcgggt tccttggcgc tgccgctgag ctggtcttct catgtatggg 240
agctgcgtac gggacagcaa agagtgggtg gggagtggca tctatgggtg tgatgaggcc 300
ggagtgggtg atgaagtcta ttgtcccagt tggtatggct ggtgtgttgg gtatctatgg 360
tttgattatt gctgttatca tcagtaccgg gattaacccc aaggctaaat cctactacct 420
cttcgacggg atatgctcat ctctcttctg gtcctgctg tgggctaact ggtccttcaa 480
ctggnatggg cataagtatc ctttgggnaa nccggggg 518

<210> 11464
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-D7

<400> 11464

aaatcctcan ttcnctgaaa ctttgttttt gcaccatata ggtgattgca ttgacagagg 60
aagtctctgc aactgcaaag caaaatgaga tttctctatc agatgccgga gttagtgtctg 120
aagcaactcc tggctcaccg gatttagagg gtgcttggga aaagacgggt ttaaggaatg 180
acccaatcca tgagggtgtaag ttccctgttg gaactaaagt tcaagctgtc tttagtgtacg 240
atggcgagtg gtatgatgag accattgagg cacatactgc aaatggctat tttgttgctt 300
atgatgagtg gggaaacaag gaagaggtgg atccagataa tgtgaggcca atccaagcaa 360
aatgctattg tccaancnga aaaattaact caancntcna aaattgcccc aaaaanaaat 420
ttgaaaaanc tgcnatatt 438

<210> 11465
<211> 382
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-E1

<400> 11465

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cnananggan canncattn ccnacggtaa aggaaacaag anaaaggttg acgggaangc 60
acnagacagc tattattgac caagttctca tggggcgtgg ctaaccgtgg atgctctatt 120
cgtgtgggac gtgacaccga ngcgaaatga aaaggttact tacaagatcg ccgtccagca 180
tctaacatgg gacccataca ttgtgacctc acttttggca gagaccacac tcctgtggga 240
gccaaactctt gaggctgaag cccttgcagc tcaaaaagctt tctttgaatg tttaaaatta 300
gtcnaaactt tcaagaatcc gatgaacaca cgtgtcaang tggggcccca aattgtntta 360
aaantccngg tntaaaaant tt 382
```

<210> 11466

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-E11

<400> 11466

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aaatctagat cacttacaaa tgctggataa attcgaatcc agtaatggac acaaacattc 60
ccctagtgag agagcagaga tatgtcaaag agatcagaag ggtaacaaaa ggaatgttgg 120
tgatgcaaca tcagtagttt cagtccttaa ggcgccgaga tcattctctg gccatagtcc 180
ttacaagttc tcaaacagtg gtcctaaagt tcaactgaaa gcttctgaag atgagttgca 240
tctagagagt gacatggaca aaaatgtctc tttggactcg cacgatgaaa attctgacca 300
agagaaaatg ttagaaagca tctctccccg gaagagaaaag aaaagcttat catcaaaatt 360
aaagattaca gaatccgaat gggccccaac gatttgnaaa ggcaaattng gtcnccaggg 420
gg 422
```

<210> 11467

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-E12

<400> 11467

aaggtttana ttttcagagc cgagctctgc agatgagcaa ggttantctt tcttgggatg 60
aagatgaacc gcaccggatt aagaccttaa atcaganatt caatcctgaa cagttggcaa 120
atcttgagat gaaggagttt ttagcttctg atgagagtga ttctgatgag gaagacgact 180
tgggcaatga agttattaac cagagtaaaa aaaaggacaa taagaaagat aagtaccgag 240
ctttaatana agccgaagat gttgattctg ataaagacct gnaggaggag aatgaccagg 300
atatggaggt aacattcaat accggtttag aagatcttag caaagagatt cttaaaaaga 360
aagacaacca ntcaaaatcc gtgtgggaaa catatctnag gcannagcgc caaganaat 419

<210> 11468
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-E2

<400> 11468

tncctggggg aattctnaat tangcctgtg aattctgngc cnatttngcc ggggcctttg 60
tttancctgn gggtnatttn gtttccaatt agtttgtaa gccttattgg tgaacaaatc 120
aanggagttg ggttcaaatc cgtgattttt gggttctgct gggctggtat cntttctggg 180
ccttggggtg ccaaattggag aaggacaana cgattaaagt gaagaaagtg aggggaaata 240
aggtgtgcac gcaaggatgg gaatgcagct ggtggtctaa atactgctgt aaccagacga 300
tatcagatta ctttcaaggt ttatcaagtt tgagcaactc ctttccaaaa ngggacaact 360
tcccaattgc tcaatgcctg gtttgggttt ctggggaact tancaanttc tttcaantta 420
nnggggtggn tggnccccnc 440

<210> 11469
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-E3

<400> 11469

ttcnacctnn acggtgccgg tcacagaatt aacgggncga cncacgcgtc cncgaagata 60
agcgganaga gagagagaga cagagagaga ttcaaaaatc cgattccaga tccattcctg 120
ggcaaacaaa ggttggtggt tctctaattc caaagctttt ttcaaattcg gaaaaagcaa 180
atcgtgggaa gagattcatc ttctctctgt gcgttcatcg gatctcggag cttttgggtc 240
gtcgtcaatg gcggaagaga cggagaaaaa gtacattacg aacgaagatc ttaaaaaaca 300
caacaaatct ggagatctat ggatcgcgat tcaaggcaag gtctacaacg tctccgattg 360
gattaaaact catcccggag gcgacacggt gattctcaat ctggttggtc aagacgtcaa 420
cgatgctttc ancgaattc anccccggaa cgcttttgga acaantcnaa aaaaatcctt 480
taccggggtt acaaaancag ag 502

<210> 11470

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-E4

<400> 11470

naactgtcta cgcctgntcg gggaccgggt ccacaaaatt aaacggggtc cgaccaaacg 60
ccgtccgatg aaaattttga ggtggaattt caaganaaat ttggagggat naactggtng 120
ngatncaact ncccganttg aaatagaana ttngggncat aancgcatat ccttgnettc 180
ngtcatgtat tcncngattc gccatggaag aagtttggtc gagttacaga aatggcgtca 240
tttgagagtt ttagtgcaaa aggcgctctc tttgtccaat tccttctcct ctgcttctgc 300
tgcgcgtttg agtcctagag ttggtcgaaa aggtaagagc ttacagtct cttacctcgt 360
tgattcattg ggttttacca aaaagctcgc tgaatcggtc tcaaggaagg ttagcttcna 420
ggacaaggac aacctgact ctgttctgaa tcttttgaga atcatgggtt cactgattct 480
caaatttcca ccattcttac ngggtttcnc aaatgtttgt ng 523

<210> 11471

<211> 433

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-E5

<400> 11471

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gctacaactt agaaaatggc ggcggctact tcatccatcg ctctttctct ttcattgccc 60
tctctttctt cttcatccaa aaccctttgg tcttccaaag ccagaacctt ggctctaccc 120
aatatcggtt tctctctgtc ttcttccaag tctctgaggt cgcttactgc caccgtctgt 180
ggaaatggcg ccaactggatc ctcccttgcc gctcgcatgg tttcttctgc tgcgggtcaaa 240
gccctgttt ctctcgattt tgagacatct gtcttcaaaa aggagaaagt ttctcttgct 300
ggttacgaag agtacattgt gagaggagga agagacttgt tcaagcatct cccagatgct 360
ttcaagggga ttaagcanat tgggtgtgatt ggctggggat ttcaaggaan tgtccnangn 420
canaaatttt agg 433
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<210> 11472
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-E6

<400> 11472

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cgccgaaaca tgtcgagcga tagcaatgat cttgacgaag atgagcttct tcaaattggcg 120
ttgaaagagc aggctaagag agatctcacc tatcagaaac ctcttcatc ttctgctctgt 180
aagcctgttg ccaatttagt gcagcagcct cgacagcaga agcctgtggc tgcggctgcc 240
gctccgccga agaantctgc tgcggcggtt aggaagcctt ccatggatga ggatgaggag 300
tcggaggtgg aattgcttaa catttcgaac ggggatgatg atttggagag ggaaagggaa 360
ataggtggnt ccantggttg gtncngggaa aangaaaaag tanccatttt caaanaaag 420
ggaaaaccca nggaaggana ttttntg 448
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<210> 11473
 <211> 432
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-F12

<400> 11473

gaaaaaaaaat ggggaggaag cggaagcaca gtgagacgga agctccggcg ccggtgaaaa 60

agagcgatga gcctgctccg gatagacca aaaggactct attgggatgg aaagataaga 120

gtgaaggatga agctgagaaa gctaaagctt tgacttcac tggattcaag aacaaagaga 180

aggttttggt gacttggttct cgtcgtatca gtttcaggta tcggagtttg atgttgaaca 240

ttgtttcact tctaccacac tgtaagaaag acagttaaagt tgaagcaaag agtagcaaag 300

gcgcgacttt gaatgagctc attgagctta agaattctaa ttcttgcttg ttcttcgagt 360

gtaggaaaca taaagatctt acatgtggat ggtcaaattcc cctaattggac aancgttaag 420

tttttggtta aa 432

<210> 11474

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-F3

<400> 11474

tctcagatcc attcancaat ctacaaagaa nanggaacca gtctcttcat ggggttncaa 60

ctctcncgtc gccgtagatc cagagatcca cgacctaatc gagaangana aacgtcggca 120

atgtcganga atcgaactta ncgcttccga gaatttcaact tccttcgccg tcatcgaagc 180

tctcggaagt gccttaacca acaantactc cgaacgtatt cctggtantc gttattacgg 240

aggtaacgaa ttcacgatg agatcgagaa tctttgccgt tcaagagctc tcgaagcttt 300

cnaattgtga tccaacaacg tggggcctta aagttcaagc cgtatcnnga tttccggnaa 360

aattngcggc ttagnacggg ttgcg 385

<210> 11475

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-D10

<400> 11475

gtcgtctcca acagccaaga gaagcagaag cttgaagaat ctctgtaatc taaaaaatgg 60
gaaagggtcca cggttcattg gctcgtgccg gtaagggtgag aggtcagaca cctaaagtgg 120
ctaagcagga caagaagaag aagcctcgtg gtcgtgctca taagcgtctg caacacaacc 180
gccgtttcgt caccgccgtt gttggttttg gcaagaagag aggaccaaac tcacacagaga 240
agtagataga agaagggtttt acccttttca gatttttatgg gatgtttttg atattgtgtc 300
attagttggg ccaaactcat cgatatcaaa gtggtttaac cttggttatc tacaaatcag 360
tggatgttgt gtcaattttc ctgtcaantt gatttttggtt cccccaana ttaaacttaa 420
nt 422

<210> 11476
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-A12

<400> 11476

gnnnnngtaa ttcnaattng tcncngccgg cnacagtcca nnaagtcccg ggtcnacca 60
cgnntccgng angatnngaa gaagagcaag tttaggattg tgggtgtgat gatggcacta 120
tgggcggcta taaagagagc tatagagaag gtaatggagt gggaatgggt aagctggtgg 180
cctttctctc gccaggagaa gcggctcgag aaacttattg ctgaggctga tgctaatacca 240
aaggacgcag ctttgcaggg tgctttattg gctgagctca ataagcatat tcctgaggct 300
gtagttcaac ggtttgaaca aagggaacac acagtggata gtagaggagt tgctgaatat 360
attcgagctc ttgtcattac aaatgctatc tcggagtatc ttctgatga acaaacgggg 420
aagccatcta ntcttccgc actgctgcaa gaactgaagc atcctgcac angcaatatt 480
ggacaatccn ttgtaacc 498

<210> 11477
<211> 333
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-A5

<400> 11477

taccggnnac catttcttca angattgtta cgtcgaagga acattcnatt tcattcttcgg 60
aagtгнаacc tctatgtact tgggaacaca attgcacntg gttggnnacg gtattacagt 120
gatcgcaneg catgcaggaa agagcgcana agaagagact ggatactctt tcgtgcactg 180
caatgtgact ggaactggag gangaatcta tttgggaaga gcatggatga gccaccctaa 240
ggttgtnat gcctacaccg agatgaccac cgttgtcaat cccaccggat ggcaanacaa 300
caagactcnc ncacatgaca ngacntggt cta 333

<210> 11478

<211> 510

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-115-Q1-E1-A7

<400> 11478

nnnnggnaan ttntaccnnc cggtgcneg taaaggnaa aggcchnegg cggacccacg 60
cgtcnnattc ccttaactct atctctaggt gacttaagag taaaaaatgg tanaggcaga 120
ggttgaagta natgtggaaa tcaaactctac ggctgataag tttttcatgt tctctagaag 180
atcacaacat gcctccaaag ccactcgcta tgtacaggga tgtgatctgc tcgaaggcga 240
gtggggcgaa gttggaagca tactcttgtg gaaattaact gttgatggag agccaaaagt 300
gtcaaaggat atgattgagg cgattgatat gaagatgaat atgatccagt ggaggggtgtt 360
agagggacct ctgaaggaa agtacaatat tttctcgaaa acgatgaaag taagccctaa 420
gcaaggangg tctggaagtg tggtgaatgg aacttgaagt atgagaaaan tgatganaaa 480
ggggtcaccc ananaagggc ccttacattt 510

<210> 11479

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-A9

<400> 11479

ganctcctcc tcagtgttcc gtctagccaa cgaccttgta acctcaccgg atgaattggc 60
gagaggagac gtctgcaaatt ccatccaatg ttacatgagt gaaactggag catcagagga 120
taaggcgcggt tcgcatgttc gacagatgat caatgacttg tgggatgaaa tgaattatga 180
gaaaatggca catagctctt cgatactcca tcatgatttt atggaaacag tgataaattt 240
ggcacgcatg tctcaatgca tgtatcaata tggcgatggc catggctctc ccgaaaaagc 300
caaaatcggt gatcgtgtca tgtccttact cttcaatccg attccttttag attgaacttc 360
atattgatta cattaaatat catatggttt tttgaattcc aagncaaaag gggtcnagna 420
acctatatat attt 434

<210> 11480
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-B12

<400> 11480

gaagaactct tgctgactac aacattcaaa aggagtcgac ccttcatttg gtgcttcgtc 60
tcagagggtgg tatgcaaattc tttgtcaaga ccctcactgg taaaacaatc acccttgagg 120
ttgagagtgc agacaccatt gacaatgtca aagctaagat ccagngataa agaggggaatt 180
cctccggatc agcanaggct tatctttgcc ggtaagcagc tcgaagatgg acgcaccctt 240
gcagattaca acatccanaa ggagtcgaca cttcatcttg tgcttcgtct ccgtgggtgg 300
atgcagatct ttgtgaagac ccttaccgga aagaccatta ctctggagggt tgaaagctca 360
gacaccatcg ataattgtcaa ggctaagatt cangacaagg aagggattcc aacagaccaa 420
caaagactca tct 433

<210> 11481
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-B5

<400> 11481

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aaaataaaaa atgtcatctc ttcactgggt tccaatatc ttcacgttg tcgtcgtctt 60
cttctccttg agaagttcac aagttgtact agaagaagaa gaatccacag tcgttgata 120
cggctacgtc gttagatcag tgggcgttga ttctaaccgg caagttttga cggcgaagct 180
tgatctgata aaaccatcgt ccgtttacgc accagatatt aaatcgctta atcttcatgt 240
cagcttggag acaagtgagc gtttgagaat cagaatcaca gactctagtc aacaaagatg 300
ggagataccg gaaaccgtta ttcctcgtgc cggaaaacan tcccctcggc gtttctcaan 360
ggaggaanac gggggaaanc tccngggaaa aatttttaaa aatttcccca anngnantgg 420
gtttcacccc 430
```

<210> 11482
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-B6

<400> 11482

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tggtacaagg gaccaactct tcttgaggct cttgaccaga tcaacgagcc caagaggcca 60
tcagacaagc cccttcgtct tccacttcag gatgtctaca agattggtgg tattggaacg 120
gtgccagtgg gacgtgttga gactggtatg atcaagcctg gtatggttgt tacctttgct 180
cccacagggt tgaccactga ggttaagtct gttgagatgc accacgagtc tcttcttgag 240
gcacttcccg gtgacaatgt tggattcaat gtcaagaatg ttgctgtcaa ggatcttaag 300
agaggatagc ttgcctctaa ctccaaggat gattcaacta agggtgccgc caacttcaac 360
tccaagtca tcatcatgaa ccaacctggt cnaaattggg aanggtttac cccaanttcc 420
aattggcaaa actcnaaat 439
```

<210> 11483
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C10

<400> 11483

aaaactaacc tttgtctaaa acccagaatc tggtaaacct tcacactcaa aaatgtttta 60
ctcgcattgt ctagtatcga gaaaaggacc tttaggagct atttgggtcg ctgcctatatt 120
cttcaaaaag cttaagaaat ctcaagtcaa agctactcat attccttctt ccggttgatca 180
aatcttgcaa aaagagtttag atgcggttgac atacagagtt ttggcgtatc ttcttcttgg 240
tgttgtaagg atatattcca agaagggtga ctttttgttc gatgattgca ataaagcggt 300
gatcgggtga aaggagtttg tggctaagga aaggaacaga gaaaagacag gtgtatcatt 360
gcctgcatct atcgagtgtt tttccattgc tttacctgag agatttgaac tagatgcntt 420
tgatcntgg 429

<210> 11484
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C11

<400> 11484

tccttcttcc gttgntcaaa tcttgcaaaa agagttggat gcgttganat acagagtttt 60
ggcgtatc 68

<210> 11485
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C12

<400> 11485

nngggnnngn gnnnnttaan tttccgccgg tcggcaaagg tccacaaagt cccgggtcna 60
nccacngtc ngnagtnatt nanattggag tttctgattt ctagggcaca aaatcttttag 120
attcggtgaa gtcattcatt acttcattgc caaagcttgt anccaaaact cccatggccg 180
acgaatcttc ttctccggcc acgggggatc ccaattcaca gaaaccagaa tccactactc 240

cgatttcaat tcncaatcca aatcccaatc cttcactaac accaccgccg cctcaacaac 300
attcgcaacc accaagtcgc tcctctggtt ccacctggtc cgccttatgc tcctccggct 360
cagattccta gctcgcttct ccccancaat ctcccgccgc caccagcatt ccgccccggg 420
atgcagttca ctcccggttg gaattttcaa aaccctagct ctggagttcc tcctccagga 480
tttatgcctc aatatcaanc gcanncg 507

<210> 11486
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C2

<400> 11486

ttgtnattag ccatgtttgn cgattnccgg catcaaagtc tattgcatgt gcgtgaatgg 60
aagagcag 68

<210> 11487
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C3

<400> 11487

ngnngtaatt ctacgtngcg ggccggtcaa gaattaacgg gtcgacgcac gcgtccnatt 60
ttncngccat tgtagtanc agaactctct gggccgccgc gtctccgtcg tcgtggctat 120
ctacagatgg cggataagaa gaagcgaaag cgatcaaaag atgacgaggc ggaggaactt 180
cctttcaaaa gcattctgga atcatacgac gttatcatgg gagcttctca aancgtatat 240
ttcctcntct ancaaanccg ccgccggagc cggnggtgcc nctcctctt catcgaaanc 300
tctaacccta nctgacctct ctcatcatc ttctgtcgt gaagtcgcag atctctnact 360
ctcctccgtg catacagaga 380

<210> 11488
<211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-C5

<400> 11488

aagaagagtg atactgagaa gatctgtgag attattatat tcgattttga tcagtttcta 60
aaaagctttc aacaatggat tcgtcttcaa atttgaatcc tcttcgtgaa gataacctcag 120
aggaacattht agaaccata gaagctccgg cgtctgtctt cgcgcgtcgt cctcttcgtc 180
ctccttctac gaattcgtcg gagaagtatt cgcctgtaga atggaaaagc tattttgata 240
aagaagatga tatatcaatc actggctctg atgatgtgtt tcatgtgtat atggcaggaa 300
atgaaggacc tgttgtcttt tgtctccatg gtggtggcta ctctgggctc tcgttttcta 360
tagtagcaag taaaattaan gagaaagcac gtgtgggttnn nanagncttt nnaanggacn 420
ggnaaacccn ttntnggaaa 440

<210> 11489
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-D1

<400> 11489

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tttngtcctt ttnaacaatg gagtcatcac aagcaacgac gaagccaacg agaggagcan 120
gaggaaggaa aggtggagat aggaagaaga gtgttagtaa atctgttaaa gctgggtcttc 180
aatttcccgt tggtcgtatc gctcgttact tgaagaaagg tcggtacgct ctccgatacg 240
gttccgggtgc tccggtttac ctgcgcgccg ttctcgaata cctagccgcc gaggtacttg 300
agctagctgg gaacgcagcg agagataata agaagaacag gataaacctt aagcatctat 360
gttttagcgat aaggaacgat gaagaattgg ggagattgct tcatggagtt actattgcta 420
ntgggtggtgt tcttccaaac attaatccaa ttcttcttnc caaaaaatnn aaagattttt 480
ntttcnmann ggggaaaant tt 502

<210> 11490
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-A11

<400> 11490

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nnnnnnnggna nnnttnaact tctctgcagn tcggcaaagg tcacnaantc gcggtcnan   60
ncacgcgctcn gaattntctc tcaccacccc cattatcttc ggcgaatcat gaatctaggg  120
ttttgttttc tcccataacc ctagattttc ttccatcaat cttataatctt tctcatttct  180
tcttctccgt tttagctcat ctcccgattc atctcgattt ccatggaggg agcgggagag  240
acgacgacgt cggaggggca tttgacttcg gcagcagctt ttgtggaagg ggggaattcaa  300
gatgcttggtg atgatgcttg tagcatttgt cttgaatcct tctgcgaaag cgatccttct  360
actttgacta gttgcaagca tgagtatcat cttcaatgca ttcttgagtg gtgtcaaaga  420
agctcacagt gccctatgtg ttggcaatca attagtctca aaaganccca aaanttaagg  480
gnttgcttta ggntgtgnaa na                                           502
  
```

<210> 11491
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-G10

<400> 11491

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aacttcnana cttcgacggc agcnctccag nactcaaggg tcnacncacn cntcnnanat   60
tcnttntnctg tataataaca tcccttgatga tcaaacaagt aaaccattca aaagatgaaa  120
ggaagaattt tgattttgag tttgctcata atgagtctgg tcatggcaca agttcangta  180
naagcaaaga tctgctgccc ttccaaccaa gctagaaatg gctatagtgt atgccgtata  240
agggtttcca agggaagggtg tatgcaagtg antggatgcc aaaactctga tacatgccct  300
cgangttggg taaacgccat tctcgaaaac tcagctgatg ctaccaatga gcaactgcaag  360
ttanggtgtg aaacttctgt gtgtggtgcc atgaacactc tccaganctc tgatgcaagt  420
gaaattgtga atggaacgtc ggaacaatgt gccaanngat gttcnatctt ctgtaccaag  480
  
```

aactatgtta tnccc

495

<210> 11492
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-G11

<400> 11492

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ccacgcgtcc ganggattac acagacccta gcctcttccc caaatcccaa ttctccattg 120
ctttagaaga atcacacaat ggatctagag attgttggtc gtcaogctct ctttttcgac 180
gatgattcga tggcaacggt tgtcaactct ccgacggcgc tcgttgactg gaacagcctc 240
tttattgacc gctacgatgt tcgtcatctc ctctcttctc ctctctctcc acgtatcaaa 300
cgccgtcgtc cgaattcaaa cgatgctgac ttggaatcgg agctcgatca cgagcgttat 360
ctagatttac cgtcgggaatc tccatctccg tcggatgatg atgaacacga tatgaatgag 420
gattcagcaa atacaaatgc ggatgggtat cgtgctgtcc cttttcanat ggaaactcna 480
ntgatgtnaa tggncaaaaa aaatng 506

<210> 11493
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-G12

<400> 11493

nnnnnngnaa ctgtnnannc tnnncgcagc cgtccacaaa ttcnaagggt cgacccacnc 60
gtccgaaana agatagagat ggagaatcac acgaccatga aagtttcatc tcttaattgt 120
atcgatctag ccaacgacga tcttaatcat tctgttggtt ccctcaaaca ggcattgttg 180
gattgtggat ttttctatgt gatcaatcat gggataagcg aagagttcat ggacgatgtt 240
ttcgagcaga gcaagaagct ttttgctctt cctttagaag aaaagatgaa agtggtgaga 300
aacgaaaaag catccaaggc tatacanctg gttcntgatg aacnttttag attcccaaga 360

atcaaatacaa tgggggatna caaaagangg gttattacat tgggaattga aagttcccaa 420
 agatgattct caattgggat aaagccantc taaggtccct aanccntggc ctgaagcctg 480
 atgttttacc tgggttggcg aagaaacaat ggggaaata 519

<210> 11494
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-G4
 <400> 11494

naaacnanga aaaaaacnat ggggtggcntn gccggtnagt tnaenggtng cttacaagaa 60
 gcaagggccg agatatccga tcgattgggt tcacgaaact tgctgctcga accggtcagc 120
 acaaatacagc ttgggatgtt ggtactggca acggtcaagc agctattggt cttgcagagt 180
 atttcgagaa agttacagca accgacataa acgaagcaca gttaaaacga gcggtaaaac 240
 acgaaagaat cagttacat cacactccca caacaatgtc cgaagaccaa atggntgctc 300
 nantcngcgg gagataactc cgttgattta atcctggnaa cacaagccg ttcancactt 360
 cgattccgca caattctana acgta 385

<210> 11495
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-G5
 <400> 11495

naacgcctct ctatctcttc gccgtgaatg tcnagatagt cgtaagctct ctgcttttca 60
 aatttctctc aaattgaggt agagagagag ggcacagaga tagagagaga ggggcatagg 120
 aaacggtgat tttcccagtt cccggaggaa caatcggtg atttctctgt aatcgaagaa 180
 tctaaacctc acccactcga aatcagctcg tgggttttgg ggggtctcta ttaatttcca 240
 aattctggag aaaaatcttg tatttcttca agatgtttgg gtgtgattgt ttttactgga 300
 gcagaggaat ctccgagttg gattcggaaat cgtccgagcc aaagcccttc tcaattccgg 360

ctcctcctcc tanttggccg caaggtaaag gtttgccaaa aggaagnatt ancctaggan 420
aata 424

<210> 11496
<211> 274
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-G6

<400> 11496

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gctaattgaca aaccacacaaa ttggnaatac tgggtgtcaat cctgatgatg aagaatctgg 180
gcaatgcttt cttactgggtt tggtnataag aaacctaanc attattacct caaactggag 240
atgcannang acacttgctg attatctaac cnaa 274

<210> 11497
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-G9

<400> 11497

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gtccggnttt cangtatatn agagaagaag agagtgaagt cctagtcaat aaactctcga 120
aatctgctga gacacgaact atggttagact tgagaaaagc tcttttctct tataccgcta 180
gtatcgatatg tatgactcgc ttttggacag aacttccatg agtgcgattt tgtcgatatg 240
gataaagttg aagatcttgt gctcgaatct gagaccaatc ttggctcatt cgcgttcact 300
gacttcttcc ccgcangtct tgggtgggtn atanaccgga tctctggcca acattcgga 360
ttgcacaaag cctttgctag actaagtaat ttctttcaac atgtgatcga tgatcacttg 420
aagcccnggc aatctcaaga tcattcagac atcantgggtg tcatgttaga tatgatnaat 480
tnnnngagaat taagtccggt tnc 503

<210> 11498
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H1

<400> 11498

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cnacccacac tncngganag atcatctccg ttaaacccta gcgattggaa tacggatata 120
ctccaaatgg ctttcttaag taaagttgga aggttattca gtcagaccag cagccatgtc 180
actgcctcta gctcgatgct acagagcatc cgttgcatgt cttcatcaaa aatctttgtt 240
ggaggtatct cctacagcac tgatgagttt ggcttaagag aagcttttag caaatatgga 300
gaagttgttg atgcaaagat tattgtggac cgtgaaacag gcagatctag gggctttgct 360
ttcgtaacat ttacttcgac tgaggaggct agtaatgcca tgcaattgga tggacaggac 420
cttcatggtc gaagaattag ggtgaattat gcaactgaaa gaagaaatng ggtttggang 480
aaagggaaac cgg 493

<210> 11499
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H12

<400> 11499

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agtctctgtg ggaatggggtt tgcttgctgg ttccactgtt atgcttctca ctgttatctg 120
gggaacttgt actgtggttg gcangtgtga tcttcgtgat tcanttgtg tanacaacca 180
agacaccaaa ggctttcacc taaaagattc tgggtgtaact gttgatattt ggncaanct 240
atgctgcang aatactggct atatcagtta ttccgttcgt cattgtccag cttccgcaga 300
tgttgggctc aacctctgga anacaattgt ccgtgttgat tgctctaate ctttcaattc 360
ttatgttgat ctcttactgt gtatatcang tattcnaanc atggattcaa aggagacggc 420

ttgcttttgc aaaacacaag catgtgatnn c

451

<210> 11500
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H3

<400> 11500

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cggtggcttc ttctgaccag gacggctcag ttttgggggt ctttaaaaac gccgtcacaa 180
aggttcaaaa tgcacattca agtgtggatg atcatttggt gaggtgggtt gggttaaacc 240
aatctaagta tcagtgggct ttggatgagt actacgaaag caaagaatca gatatgaaga 300
ccgtgaaagc aaaggagatg cccgggaaag taaaagtgt ataaagcaan catgtntaaa 360
ctcaatttcc ctttgga 378

<210> 11501
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H5

<400> 11501

nnnnnnnngg ngnnngnaac gtttacttgc ccgntcaggc caagtcacng nncncccg 60
ccganncacg cntcanagat gtttncgttt gattatatat accttagtca tggtatctat 120
ttatgatgta gctcgttctt acttgagatt gcactagtag tcttgcttaa tgacatataa 180
atcttgattt aaactccctc tggatattct ttcatagaga aaaaattctt atgatgattt 240
tattgttggt gttacttggt ttctcagcat tgatccatct ctgctcaatc cttacaccaa 300
atcttgatgg tataagagga ttcagtgaca atgcttatat taaaaatgga gtttatagtc 360
tctctgaact atctatgtcc aagttcttgg gagttcggaa gcaccttaca tcgttgacat 420
ttgttctaag ttttcctatg acaattcttt tcgtttgcac attcagagat cagtttgaga 480

ttcactaaag ttgntgtgg

499

<210> 11502
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H6

<400> 11502

naattatatt caagagaaaa aggaaaaaat gaatttcatc tccgatcagg taaagaaact 60
ctcaagctca acaccagagg agccagacca caacaagcca gtcgaaggaa ccgaaacagc 120
tacaagaaca acttacaacn gccaanntca tggnanttgc caaggttgta cctgaagctg 180
ctcaagccgc agctcgtaac gaatcagaca aactcgacaa gggtaaagtc gccggagcct 240
ctgctgatat cttagacgct gccgagaaat acggttaagtt cgatgaaaag agtagcactg 300
gtcagtacct cgacaaggct gagaagtatc tcaacgacta cgagtcgtca cactccaccg 360
gtgctggtgg/tcctcctcct ccgacnaatn aaggttaacc aacaanttac cttaanccgg 420
gggt 424

<210> 11503
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H7

<400> 11503

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agagtgcggt ggaggcgatt agagagaaag gtctcggcgg tttcatgagg atgatccgag 120
aagaaggcct catgagatgc ctaccagatg ggaacctctt gcaaaactaaa atacataaca 180
taggagcgcac acttgttggt gttgacaagt tcggtaacaa atactaccag aagctaggcg 240
atactcaata cggtaggcac agatgggtag agtatgcttc aaaggatcgt tacaacgcat 300
ctcaagtacc agctgaatgg cacgggtggc ttcatctcat cactgatnac actggcgatg 360
aactcctgaa ttttgaanca aaaaagnatg ggcttaacat aaagagaact tccc 414

<210> 11504
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-H8

<400> 11504

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taaacangaa acagaggaga aaaaaggaaa cgacgaggaa aancaaaanc annataaaaa 120
caagcctcgt ncttcccttt tctctcgtca aatcttttcc ttacatatt ttcttttctt 180
ttntttgtct ttaatacaaa ttactaact aatcagaata aaaatgggtt cgagtaagtt 240
taaacgagcc ataggagccg taaaggacca aaccagcgtc ggtctagcca aagtcaatgg 300
tcgaagcgct tctttatctg aacttgacgt agccatcgtc anagccactc gtcacgaaga 360
gtttccagca gaagaganat acattagaga gattcttagc ctaacttctt actcacgcag 420
ttacatcaac gcttgcgta gcacgctttc gagacgcctt aataaancca antgg 475

<210> 11505
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-G1

<400> 11505

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gcgtcnngga gagttgctgt cggagcgtca tagcttcaag gacgtttcat ctgcggtcaa 120
gtggccgtct atttccctct cttagcttaa ctcatctcaa gggcaagcta tctctctcca 180
tcaactcgtt ttctccaag attcagtcct atgctctccg aggagttggt ataggcgagt 240
cagataagaa aaatcccctg ccgagagggg ccggagaagg agtcaaggaa gatgcgagga 300
gtaagctgct tcatgtagtt ttggtctctc ctgagattcc tgggaatata gggtgcattg 360
taagaacatg tgctgcctca gctgttggtc tgcatttagt cgggccatta ngttttcaag 420
tggatgacgc cagagttaag cgagctgggt tggattaatg gncctttgtg gntgtcaaag 480

cccanaactc aatggg

496

<210> 11506
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E2

<400> 11506

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ggaanaaaga acttgttttc ctcttcagca agacacataa atcgtaatcc attttctctc 120
aacttttagga atctcaaadc tccgatttgg aaatccggcg acaatgggtga gagatattga 180
agatgagatt agagacgaga agaatcctcg tcctcttgat gaagatgata tcgctctcct 240
caagacttat gggttagggc cttactctgc acctatcaag aaagtggaga aagaaattaa 300
ggatctcgcc aagaagatca acgatctatg tggatcaag gagtctgata ctggtttagc 360
tcctcccagt caatgggatc ttgtatctga taagcaaag atgcaagaag agcaacctct 420
gcaggttgcy agatgcacaa agattataag tccaaacact gaagacgcca aatacgatcat 480
aatgtcaaa caaattgcta 500

<210> 11507
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E3

<400> 11507

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cacgaggaac acgatgggtg aagcgggtcaa ggatgggaga gaagaagtga ttcaagcttg 120
gtatatggat gatagtgaag aggatcagag acttcctcac cacaaggatc ctaaagagtt 180
tgtatcggtg gacaaacttg cagagctggg agtacttagc tggagacttg atgctgataa 240
ctatgaaacc gatgaggatt tgaaaaagat ccgtgaatct cgtgggttact cttacatgga 300
cttttgtgag gtatgcccg aaaagcttcc aaactatgaa gtgaaagtga agaactttt 360

cgaaagaaca ttacacactg atgaggaatc cgttactgcg ttgcaggaac tggacttttg 420
atgtgagaaa tcgtaatgaa ncttggatta aggtattggt aaagaangga agtatgatag 480
tcctanc 487

<210> 11508
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E4
<400> 11508

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ctctgtttcc actcttttcc tctgtttcat cgtctgcac tccgagcaat cgaanaatca 120
gtcttctcca gtcttcgcct gtgacgtcac cggaaaccct tctcttgccg ggcttanatt 180
ctgcaacgcg gggttgagta tcaaagcccg agtcaccgat cttgtcggaa gattgacgtt 240
ggaggagaaa atcggggttt tgaccagcaa agctatcggc gttagccgcc ttgggattcc 300
gtcttacaaa tgggtggtcgg aggcacttca tggcgtnct aacgtcggag gtggtantcg 360
gttcaccggt caagtccttg gcgccactag cttcccacaa gttatactca cggncgcntc 420
tttcaatgtg tctt 434

<210> 11509
<211> 70
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E5
<400> 11509

taaanctgat tcacanatgc ggaaattctt gattaaccaa gctaaaggtc tcgtcaanca 60
ttctcgtcgt 70

<210> 11510
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E6

<400> 11510

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atcgggtttac gtcgatgtag ctggggaatc gaagtcggag catgttactg ggaagtgggt 120
ttcggtgccg gagctccgac tgcgtgacca ccggttcata gttcctcttg attattccaa 180
aagttctccc aaaattaccg tctttgctcg agagatcggt gcgggttgga aagaggagca 240
agcaatgccg tatttattgt atttgcaagg tgggccagga tttgaaggtc caaggcctan 300
tgaagctagt ggatggattc aaagagcttg tgaagagttt cgagtgggtct tactcgatca 360
acgaggaaca ggcttgcca ctcctttaac atgttctct atgcttcaat tcaaatacagc 420
aaaggaatta gc 432

<210> 11511

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-E7

<400> 11511

ggtgtctgtg tactgcgtag ggttagtga gtccatttgc aaagatgact cgtgagttct 60
aatctatcga cctctctcgt tttctcgcag ttgcagagtc tcaggattat ataataggac 120
aaagagagag agacaacatg cactctctta agactacttg cgttgggcaa atatttgctc 180
tagctaagcc tcacgattct gtaggcaaga ggactcgtaa tcggattcct aaagaagaga 240
gaaagacact ggttgaatct tttataaaga agcatcagaa actaaacaat gggaattttc 300
cttcacttaa cctcacacac aaggagggtg gtggatcttt ctacactata agggagattg 360
ttagagagat tatccaagaa aatagagtcc ttggtcctgg tgacttgcta cttgagggaa 420
atggc 425

<210> 11512

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E8

<400> 11512

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gattactaag aaagaaaaac aagataaact cgactctttt cttgcaacta tagatgactc 120
taagacttgg cgcaaaattt atgatgaata taatgacgag gacgttgagc tgactaaaga 180
ggagagcaag atcgttcaga gaatactcaa aggggaagct ccacatgcgg actttgatcc 240
atatgcacct tatgttgagt ggttcaaaca tgatgatgca atacatccac tctcaagtgc 300
accaagagcc caagcgaaag attcatccct tcaaaatggg angccaaaaa ggttgттаag 360
attgtagag caatacgtaa ggggtggatn aagtttgata agcctgaaga agagcccaat 420
gt 422

<210> 11513
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E9

<400> 11513

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gaccacgcg tccgncgatt ttttcgttct ggcttaaccg taacccgaaa gatccagaag 120
gcggtgagat tgttttcggg ggagtcgacc cgaagcactt caaaggagag catacttttg 180
ttcctgtgac acataaaggt tactggcagt ttgacatggg tgatctccaa attgctggca 240
aaccaaccgg atattgtgct aaaggttggt ctgctattgc tgattccgga acttctctgc 300
tcaccgggtcc atcgactgtc atcacgatga tcaatcacgc gataggagca caaggaattg 360
taagccgtga atgcaaggcc gtggtggatc atacggaaaa acatgttgaa ttctcttcna 420
ctcangagat tcgaagaaag tatgctcaca aattggagtc tgcgcttatg atggtacaca 480
gagtgtgagt atgggga 497

<210> 11514
<211> 305
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-F1

<400> 11514

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tttttagtttt cttttataaa atgcccttaa ataaactaaa aaagaaaacg acaaaaaaaaa 60
acagggcggtt gagtttggtt tcattatggt tgattttctt gtcattttct ttaatgtgtc 120
tagcgagtct gcctttgtcc caatgggtta gtatctgcat gtatccacgg atctctatct 180
gtcgacgaat gttattttaca ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 300
ggggg 305

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<210> 11515

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-113-Q1-E1-F10

<400> 11515

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ttcatcattc tcatatctct cttctttttac tggggatcac aatatctatc tanttgtaaa 180
ttgtgaatga tagatcctga gccttcttgc cgccacctct tgaacttaat gtacttgaaa 240
ccagtctcca catagcgata gagagagaga tctgttatgt gtgtattcat caagttctct 300
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atcttttggg tgtcactgtg tcantanagg ttgaaacttg gannacattn ctctcaaaag 480
gat 483

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<210> 11516

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-113-Q1-E1-F12

<400> 11516

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tccgagcgat caaattcaat ccgaagggtt cggctctggt gcgttttctg acgttggtgt 120
taaagctatg ggatccagtt accatctcca ccgcttgatt ctatctcgca gctcctactt 180
caggactatg ctgcaagggtc catggaaaga agctagctct cctggttgga acttacttgt 240
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ccatcctaag ctggatgatg ataatgcctt tcgtgtttta gctgctgctt cttttcttga 360
ccttcaggat ttgtgtgcga tatgcactga ttttantaat tctgaactga ggacttcaaa 420
cttcctggca tatcaggtat ttgctgagaa ccaagactat gggattcatg gagaacgtgt 480
aaggaatgcc tgct 494

<210> 11517

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-113-Q1-E1-F4

<400> 11517

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gtttccatcg atcctctgag aaaaaattcg actctctagt ccacgagttt ttttttgtt 120
cacctctctc tttttcgta atctctctca aacaacgcct cttcatcatt tccttgtaat 180
tcactttctt ctccgttttt ttttttttga atcnctcttc gtccttcgcc gtttcnattt 240
cntgtttcct ctacttgatg atgaaatttt gatcagatct agtgtanaat agttaggatt 300
taccagaga gattatgttt atggatcgag agagacggag ttctggtcgt aatgggactc 360
ctgaatatag caatggcaaa ttccgaaatg ataatggttt tggattcta 409

<210> 11518

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-F6

<400> 11518

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cttcagtcga ttaaagagga gattgatcga gtaaacctcg agatccagca ggcggaacgt 120

gaatacgatc tcaaccgtgc agctgagctc aaatacggaa gcttaaactc attgcagcga 180

cagcttaatg aagcagagaa agagctgaac gagtacttaa gctctgggaa atctatgttc 240

agagaagagg ttttgggtag cgatatgcc gagattgtga gtaaatggac tggaatcccg 300

gtatcaaaac ttcaacagtc tgaacgagat aagcttctac atttggaaga agaattgcat 360

aaaagagtag tcggtcaaaa ccagcagtg actgcggtag ctgaagcaat ccaacgatca 420

agagctggtc tttc 434

<210> 11519

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-F8

<400> 11519

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ctcagcaact tcctgctagc cttcgcgccg ctctcaccta ttccctcggc gtttttgctt 120

tgagacgatc gtttctccat aagatttttag actatgagga tgaattcttt gctgctctga 180

tgcttattct tgaaggacac agcttacgaa ccacagatgg ttcctttgct gaatcattgt 240

atggtttaag gaggaaatca gcgagattga gattgaggaa agacagtgcc aggaaggatt 300

ctagcgaaga agttcaacat tctggtttag agaagcgtca gagaatcctt tctgttggtg 360

ttctggttgt gttaccgtat ttcaagtcaa aattgcatgc tatatataat aaagaaagag 420

aggctaggct cc 432

<210> 11520

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-F9

<400> 11520

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ttagaaaatc cttttttata acaaataatt cctctgcttc ttcttcttct tcgtttattt 180
cacctttttt ggtttcttta gctcagaaaa agcccattct ttttttctat tcttgtttat 240
tttaatcata ctgtgcgttt ctacaaagt ttgttcctttc ttcttcaact ctctcactca 300
cagtcacaga gatctgtttc ttttcttttt ttgctttcac tcttctcttc cagtgaagag 360
agagtgagag aaaatggtga aacttttggg tagtaagggt tggtgtggct ggtataatac 420
tggggaac 428

<210> 11521
<211> 266
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-E10
<400> 11521

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gataacgcat aattttttta ttctcgccgg agttttctcc tencaccgtc tctgattctc 120
gtcgccgccc tacacagttg ttgttctctg ccgtttctgc aanangattg gatcgtttct 180
tacaatatga ttggtgatgg tgttgggcta tgcttaccct gcgtacgant gttacaacga 240
ctgtnganaa gaanaggcct gaaanc 266

<210> 11522
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-B7
<400> 11522

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atcggccggt tctcgccgct cgacacggtt gatatatctg aaaacgagtt tactgggtcca 120
tttccaagat tcttatgcc aacaagaaa ctacaattct tgctcgctt gcagaacgag 180

ttttccggcg agattccgag atcttacggc gaggcgaaat ctctattgag actaaggatt 240
aacaacaacc gtctaagtgg tcaagttggt gaaggattct ggtctctaac gcttgctaaa 300
natgattgat ctacgcgata acgaactcac cggagagggt tctcctcaga ttggactttc 360
aacagaactg agtcagctca ttttacagaa caacagattt tccggcaaga ttcctcgtga 420

<210> 11523
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-B8

<400> 11523

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acatgaggaa agtgacaaaa ggaagtgtca cgatcaagct ttgggatctc ggtgggtcaac 120
ctaggttccg cagcatgtgg gaacgttact gccgttctgt ttccgcgatt gtgtatgtag 180
ttgatgctgc tgatcctgat aacctcagtg tctcgaagag tgaactccat gatttggtga 240
gcaagacgtc gcttaatggg atccctctcc tagtccttgg gaacaaaatc gacaagcctg 300
gagctttgtc caaagaagcc ctaaccgatg aaatgggtct caagtcactg acagatagag 360
aagtctgttg cttcatgata tcttgcaaga actctancaa catcgatcaa tcattgattg 420
gcttgtaaan cacc 434

<210> 11524
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-B9

<400> 11524

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cccgcccgtc cgtggaagca nccatcggcg gatagtttgc tgggtgaaga aatagatgtc 120
ggggaggata aagtgagaca agtagttagt ggcttagcaa agttctgcag tcctgaggat 180
ctaacgaacc gcctcgttgc actcatcaca aatgtcaaac ctggaaagct aagagatgta 240

atgtcacaag gactgggttct ttgtgcttca agtgaagatc actcgggtgg agagccgttg 300
ctaccacctg ctgggtgctaa accaggagag cgtgtttcat tttcagggat tgaaggaaaag 360
ccagaagatg tactgaaccc aaaaaagaag caactagaga agataacacc gggctctctac 420
actgatgaaa atggcgtnnc cacatncnaa ggnatncaat tcatgacctc cgggtgggcct 480
tgcacttcaa catccccang gga 503

<210> 11525
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-C1

<400> 11525

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aggtggggttt gacgttggtg gagatgaatc tgttgccgga tattgtcatt aggcgggtca 120
cacgtctgct tctggccggt cgtctccgtt ccggttacia acccacggcg gagatgcaac 180
tctccgatct cctccgtttt gttgactcta taaagaagat gcctatagct atccataccg 240
agaagccaaa gactcaacac tatgaattac cgacagcttt cttcgaactt gtccttggga 300
aaaacatgaa ntacaactcc tgttacttct caaacgattc aagtagctta naagatgcag 360
angaagcaat tttggctctt tattgtgaaa gagctaaagt ggaagatggg caaagtgttc 420
ttgatatcgg atgt 434

<210> 11526
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-C12

<400> 11526

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cgcgtccgaa aatatatata ttgaatcttc attcattaaa aaaacaattt ttatttttcc 120
ctattcatct tcggttcctc accgtccgat gctttgactc tgaccaatca gtcaatttga 180

gcttcacaat caacgggtcat gggtcattgt tacagccgga acatctccgc cgtcgaggac 240
gacgagatnc ccaccggtaa cggcgagggt tcgaatcaac catctcaaaa tcaccggcat 300
gcttcgattc ctcaagtctcc ggttgcttct ggtactcctg aagtcaactc atataacatt 360
agccctttcc aaagcccgtt accggcgga gtatctccat cancgccgan aactccggga 420
cggaagttca aatgggctt tctccaacg tnaactgcga aaccgattaa tggcggttt 480
gagacnaca cttggcgc 498

<210> 11527
<211> 347
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-C3
<400> 11527

ccaagggngg cacaatanac cccanagnaa nggaaangan agggggngaa angnaccngg 60
ttaattgggt gggaccatca aggagttcca tcaatgaant ccactacann gaaattacga 120
aagctggggg ctggatccca tgggcctccc aagaattaca ctgcagctt ctgcaggaga 180
gagttcaaga tctgctcaag cacttgagg gccacatgaa tggtcatnga ngagacagag 240
canaactcag gcagatccct tcttggtct tcgaacctca ccaccacaca cctattgcaa 300
accctaacc taattttagc tcttcttctt cctcttcaac aacaaca 347

<210> 11528
<211> 65
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-C4
<400> 11528

aatgtnga an cttcccttgt tnggttgac cgactccgct catctgttga atgaagtga 60
agagt 65

<210> 11529
<211> 428

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-113-Q1-E1-C7

 <400> 11529

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 aggctaata tggacgctgt ggcggcgaat ttgtttcaat ctccttcctt actgcgtcaa 120
 acttccgaaa ggttgatatt ttcgacgccc aactgtcctg gttcatgcg aattagctcc 180
 ggacctcaat ttcgtctcag acaaaactct tctcttaaata tctcgagacc atttcaaagc 240
 ggaacaactt gtgttaaata tcggagaagc tttgtgggta aagcttcagc ttctgggtgat 300
 gttcaacag aatcaaaccg cgcggcttca gttgaagtct cctgtgggac agtttctgtc 360
 acagatatta gtgagccatc ctcatcttgt tccagcagct gttgaacagc agcttgaaca 420
 gctccaaa 428

<210> 11530
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-D10

 <400> 11530

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 tccggtttct tnttgctttt gagaaaaaat aattatatat ttttatatag gaaagggtta 120
 ntttattant aaaatgcaaa taaaaagaat catanaacag atantgcagg gtggtaggct 180
 tttgacggtg ttggtgtgcc ncgcctccac ggtggcggtg gtgagcgccg gtgaccctta 240
 cttctactac acntggaacg taacctacgg aaccgccgcg cctctcggaa ttctcaaca 300
 ggtgattctc atcaacggac agttccctgg gtcctaacct aaactcaacc tccaacaaca 360
 atgtcgtcat caatgtcttc aacaacctcg acgagccttt cctcttgacc tgtagtggac 420
 tccagcacan gaagaactca tggcaagatg gtgtgactgg ggactcatgc ccatcccaac 480
 angaacatct tnactt 496

<210> 11531

<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-D2

<400> 11531

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gttggtgttt tcttctgcga cagcttcgaa gtcgtctctt ggatttttac aagtcaaaag 120
ctgagtaaga cgtaaacac gagtcttctc gccggcgacc gtcgtcaacg gcggagattt 180
tgtagttat gtcccgcat tccaccacct ccactactcc ttcacgcgtg agagctgcga 240
attcgacta ctcaagtac tctaaaccta gagcacaaga cgataacggt ctcaccggag 300
gtaaaccgaa atcgtcaggt tacgatgtga aaaatgatcc agcgaaacgg cgatcaattc 360
tgctgaaaag agcgaaatct gcaaaaggag gagatggcgg ttttggctcc tcagagagct 420
cggctctgtga atcgtcgggc ggtttagag caattcgggt gtccgaggcg gccgatttct 480
cgaaaaagcg aagaga 496

<210> 11532
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-D3

<400> 11532

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agacataatc cttcaaaca aacaaacagt cagcctaag aaaacatcac aaactctcga 120
cttaatactc cgattacaaa taagagactg acaaactttc aacccttcac tcagttgcta 180
gattgacgca actcaggtcg aacaaagtct gcatcagcag gcacagagat atcaacggta 240
ggcctgagct gtgcgcagac ctcaatggca ccatggactg gatcagagaa gaagttactg 300
attangtcnc tgttgantgc tgcaccactg tccacagcca caagagcttg ttgggtcagg 360
atgtagtcaa accgtggcgc ccatttcctc gaaccaatc ttgctgtggt tgagcagttg 420
tcaaccatga aggacactcc 440

<210> 11533
 <211> 253
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-D4

 <400> 11533

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 caaaatcntc gaggccatca aggctaactt caacgacaag tactaggagt acaggaagaa 120
 ctggggagggt ggcataatgg gatccaantc tcaagccaag accaaagcta aggagagggt 180
 tattgctang gaagctgccc agagaatgaa ctaagcatca taccttatgt tctctgctan 240
 naaacatntg ata 253

<210> 11534
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-113-Q1-E1-D6

 <400> 11534

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 tgggaagaat tttgacatgg aggaggaccg gtgttcgatc aaggatgatg caactcaatt 120
 gataggtaac accccaatgg tatatctgaa caacattgtg gatggttgtg tagctcgtat 180
 tgcagctaag cttgaaatga tggagccttg ctctagtgtc aaggagcgaa ttgcttatgg 240
 tatgattaaa gatgcagaag acaagggatt gattactcct gggaagagca cactgattga 300
 ggctacctct ggtaacaccg ggattggttt agccttcacg ggtgcagcta aaggttacia 360
 agtggtcctc acaatgccct catcaatgag ccttgagaga aaaatcattc ttttaacaat 420
 aagtgcggag ggtc 434

<210> 11535
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-113-Q1-E1-D7

<400> 11535

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agaatttgta tatcaaaatc gagcgaacga agatctccgg attgctgcac tctgctacat   60
gccttttcgaa tccgtttact gcatcgccgg agaagtagga atctgtttac ttacctttgg  120
aatccatcct catccctctc cgtctagtgt gatgcagcag ttaggcacta gtgcagtgcac  180
atctaagttt aaacagactt ttttcttcaa aatgcgacat tttcttctga tgtctgcagt  240
acggttgtat acctctttct ctccccccat tcacctctt cgatcgtgtt gtttcttgca  300
tcgccttggc agtaatcccc gggggtttct ttcttaaagt ttgtgcaaaa tgggtggactg  360
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tagcaactac att                                                    433

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<210> 11536
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-D8

<400> 11536

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ataaaaaaaaa ataaaaagaa gcagaaaaga gataatgcag ggtggtaggc ttttgacggt  120
gttggtgtgc ctgcctcca cggtggcggt ggtgagcgcc ggtgaccctt acttctacta  180
cacgtggaac gtaacctacg gaaccgccgc gcctctcgga attcctcaac aggtgattct  240
catcaacgga cagttccctg gtcctaacct aaactcaacc tccaacaaca atgtcgtcat  300
caatgtcttc aacaacctcg acgagccttt cctcttgacc tggagtggac tccagcacag  360
gaagaactca tggcaagatg gtgtgactgg gacctcatgc ccaatcccag cangancaa  420
cttcacttac catt                                                    434

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<210> 11537
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-113-Q1-E1-B4

<400> 11537

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cgaacaaaat gtatatcgga agacataaaa agcaattcaa tgaccgtcgg gaagtacacc 180
gtcggttaacc ctaacgaagc tcctccttct cctcaatctc acaagatctc catcagagt 240
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ttcacggcgg tggagtctgg agattacatg gcttggttaca cagctggttg atcataaacc 360
tgaggttaca ttgagtattg atttcgattg gagaactggg gttcaatcta aaagctggag 420
tatgttgcta agaagagc 438

<210> 11538

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-H10

<400> 11538

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aataaaaaaaaa aaataataaa taaatatgag atacacaaat gtgtccattt tattaggcat 120
gttgggtgatc tttgtttcac caatggtgtt cgcagatgat ttgacaccaa tcccagaggg 180
caaaccceaa gtggtgcagt ggttcaatac ccacgttggt ccattggctc aacgtaaagg 240
cttagatcct gctctcgtag ctgctgaggc tgctccacgt atcatcaacg tgaatccaaa 300
gggaggtgaa ttcaaacac taacagacgc aataaagagc gttcccgcag ggaacacaaa 360
gcgggtgatc ataaagatgg ctcatggtga gtacagagag aaggtcacta tcgacaggaa 420
caaacccttc attacattg 439

<210> 11539

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-H2

<400> 11539

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aagacttgcc tgaagaagac ggcagctaca tcggagatat cctcttggtc gatccggcca 120
aggaagagtt agtcacagtc cgggacaaaa caattcccga aaagctcgtt aactcgagag 180
tggtcggagc ttcacatgga tggacatttt tctctgaccg atgcaatcat aattctgtat 240
gtatcagcga cttttttact cccatggctt ccaaatacaa cacaagata attcctctgc 300
ctctgcttac tactatgac tatggccaaa cagaagctgt ctgggaacgt ggcaatgtcg 360
tcattctctc ctcaccaaga caatgaagaa gaagactgtg tcgtgggcta tcaatttctt 420
gggtagccaa ctga 434

<210> 11540
<211> 95
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-H5
<400> 11540

cannactggt ggtggaggtg atgatgcttt caacaccttc ttcagtgaca ccgngcagg 60
taagcacgtc ccacgtgctg tcattgttgn tcttg 95

<210> 11541
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-H6
<400> 11541

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gactctaaag gtaaagcaga ggtaaatgct tccgtcaagg ccgtcaagga tgtttgtgca 120
ccaactgatt acagaaagac ttgtgaagac actctgatta agaacgggaa gaacacaacc 180
gacccgatgg agttgggttaa gactgcgttt aatgttacga tgaancagat cacggacgca 240
gctaagaagt cgcanacgat tatggagctt cagaaggatt caaggactaa ggatgggctc 300
ttgatcaatg caaaggagct tatggattac ccgttgggac gaactaagta actcctttcc 360

aaggagcttg ggaaaatttg acgttccacc tgctcgacga agctttgatc aaatctgaag 420
gattttggct taacgcaanc gat 443

<210> 11542
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-A1

<400> 11542

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ctattaaact agcaattcta tttaccacat ttgttctttt tagcctcgcc gacgctagaa 180
tccccggtat ttactccggc ggcgcattggc aaaacgcaca cgccactttt tacggtggca 240
gcgacgcctc cggcacaatg ggaggagctt gtggttacgg taacctatac agccaagggt 300
acnggaacaa acacggctgc tttgagtacg gcgctgttta acaatggtat gagttgtgga 360
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atcct 425

<210> 11543
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-A3

<400> 11543

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ggctttaacg atgtggcgaa gatctgttgt ttatcgtttc tcttcaagaa tctctgtttc 180
ttcttcgtta ccaaacccta gactgattcc ttggtcccgc gaattatgtg ccgttaatag 240
cttctcccag cctccggtct cgacggaatc aactgctaag ttagggatca ctggtgttag 300
atctgatgcc aatcgagttt ttgccactgc tactgcccgc gctacagcta cagctaccaa 360

cggtgagaat tccgtccnan agttgcggct ttggctggat tagggcatca ctacgctcgt 420
 tgttattggg agctttctaa agctaaactt agtatgcttg tggttgcaac ttctggaact 480
 gggatatatt 489

<210> 11544
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-A5
 <400> 11544

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 gcatgaccgc tcttgtcact ggtggctcta aaggcatcgg ggaagctgtg gtggaggaac 180
 tagccatgtt gggagcaaaa gtccacacgt gtgccagaga cgaaactcag cttcaagaac 240
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<210> 11545
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-113-Q1-E1-A6
 <400> 11545

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 ctaaaggatc tctgaaaaac aaaaagaaga ttgacaaggg aacttatgtg gtcggagagg 120
 aggagacacc taaagagctt cagagagagc tgatgccgag acacgtggca gtgataatgg 180
 acggaaaccg gagatgggct aaacagaccg gattgttgac gtcacaaggc tacgaggctg 240
 gagctaaacg gcttctcgag ttcgtgacc tctgcttcaa actagggata aatactgtct 300

cagcttttgc tttctccact gagaattggg gaaagacaca agattgaagt caaatgcttg 360
 atgtatttgt tccaacgtta cctcaagtca aagattcaat ttttccagag caaggaaatc 420
 cgagtttctg ttatcg 436

<210> 11546
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-A8
 <400> 11546

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 cgaaacaacc tgcctcgtcc aaacctcaga agacgatgta aggtcaccgc ttcacgggct 180
 aatattgaac aagaaggtaa cacagtgaag gaacccattc agaataattaa agtaaaggga 240
 tacataacgg cccaagaaga gtttctggag ggcataactt ggtcgagagg tctcgatgac 300
 attgctgata tccgcggcag atcattgctc gtcgagctta ttagcgcaa gactgaccag 360
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 aantgcaat 429

<210> 11547
 <211> 147
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-A9
 <400> 11547

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 ctgatttttc ggaggagaaa ggacaccgat gactacgtcg cttgtncaaag aagcgaatgc 120
 catagtttca tcanggetta cgctttc 147

<210> 11548
 <211> 501

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-B1

 <400> 11548

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 gaaaaaactt aagcctcaag aaatcaaacc cacaaaaaat caattcaaca aaacctcttt 120
 ctgctctctc tctctttttc attcccatat gttgcttctt tgagtttatc tcttcccaaa 180
 gaatgggaag caacatctga ggatccattt gattaccata catatattaa aaacaaaaac 240
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 atagctgata accacaatgg agattcagag gatgaggcag ttgatgtctc tttggtctaa 360
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<210> 11549
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-B11

 <400> 11549

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 tttgtttatt tttcgtgttc attgaaattt ttaacgaaat ggcagtaa atggaagggt 180
 cacagacaca cttttacgat gaaatcgaac ctttttgctg atggagaaga acggaagaca 240
 tcgacattct tgagctacat cttccttcag gtttgaagaa agagcatctt aaaatacaga 300
 tcaacaacag tgggtgtacta acaataacag gaggctgtcc agtggaccaa accaaaacaa 360
 tcaggttcat gaaagaaaca aaagttgcaa aagattgtaa aagaaatgag attccgtgca 420
 aagttctcta agggaatttt gtangtgacg atgccaaaga caatcccaa agcaactggt 480
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<210> 11550
 <211> 501
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-B12

 <400> 11550

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acgcgtccga ggaaaganga gtaggggaat caacgaagat ggtattaact actacagcgg 120
tctcatagat ggcctgatcg caaggaacat aacgcctttc gttacactct ttcactggga 180
ccttcctcaa tcattgcaag atgaatatga aggtttcttg gacagaacga tcatagacga 240
tttcaaagat tacgcggatc tatgtttcga gagatttggg gatagagtaa agcactggat 300
caccatcaac cagcttttca caagtgccta cgaaaggcta tgcattggga acaagatgca 360
cccggtcgat gttcccaatg ggtggataaa agatgttacg gtggagattc ntccancgaa 420
ncctatatcg ttgcgcataa ccaancttct tgctcatgcc acnggtcttg atcaaacagg 480
acaaatntaa nttccanggn g 501
  
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<210> 11551
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-B2

 <400> 11551

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agatttcgaa accctagtcg atttcgagat ccaactaact ctgctcctta tctcagcttg 120
ttgaatttgc gaagtatggg agacgctaga gacaacgaag cctacgagga ggagctcttg 180
gactatgaag aagaagacga naaggtccca gattctggaa acaaagttaa cggcgaagct 240
gtgaaaaaag ggtacgtggg aatacacagt tctggattca gagacttcct tttgaaaccg 300
gagctttctca gagctattgt tgactcagga tttgaacatc catctgaagt gcaacacgaa 360
tgtatccctc aagctatctt gggatatggga tgtatctgcc aagcaaagtc tggtatgggg 420
  
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aagactgctg tgtttgtcct gtctactcta caacagattg aaccatctcc tggccagggt 480
tctgcacttg tcttgtgcca 500

<210> 11552
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-B3

<400> 11552

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acacgcgtcc ggggacgatg tttgggtggt gcagttatcc cttccgttct attggccata 120
ggaatggctt tttctccaaa aagcccaagg tggctcgttc aacaaggnaa aagtctctga 180
agctgaaaag gcgatcaaaa ctttgtatgg taaagaaaga gtggttgaac tagttcgca 240
cttatcagcc tctggccaag gttcttctga gccggaggca ngatggtttg atctattcag 300
cagccgctac tggaaagttg taagcgtacg tgcggctctc ttcttgtttc aacagttaac 360
cgggataaac gcaattgtgt aatacncaaa tcggtattcc gtantgcggg aatccaatca 420
gatgttgcag ccagtgtctc cggtggagca tcaaagtctt ttggcactgc tgttgcttca 480
tcgttgatgg ataaaatg 498

<210> 11553
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-G9

<400> 11553

ggaaacgga tcttcacgacga agaagggaga 60
gatccctgag ctcaaggaag agcttaattc ccagtataag gataagagaa aagatgcagt 120
taagaagggt attgcggcga tgactgttgg aaaggatggt tcatcacttt tcatgatgt 180
agtcaattgt atgcaaacgg aaaatttgga gttgaagaag cttgtttact tgtatctcat 240
aaattatgcg aaaagccagc cagatcttgc tattcttgca gtaaatacct ttgtaaagga 300

ttcacaggat ccaaatccgc tgattcgtgc tttggctgtg cggacaatgg gctgcattcg 360
tgttgataaa atcacagaat atctatgtga tctcttcaaa agtgcctaa 409

<210> 11554
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-E7

<400> 11554

tgtaagtga gaagaaaaat aaggaagaag aagaagcagc agcaatgggtg gagaagtcag 60
gaggagaagt caatttccca aaattggaga aaccaacagg caagaaacag acagcgacgg 120
ttgttgtggg agtggtggcg gtgggatggc tggcgataga gctcgtgttt aagccattgt 180
tcaagaagct gagctcctcc aaggacaaat ccgattccga cgatgccacc gtccctcccc 240
cgtcggggcg ctgaatatgg tgagtgagaa tttaacaaaa gcctctgcgg gagacacgtg 300
tgttgaagct cattttaata acaaatccnt gtgtttcctt ttgtaananc nttccggact 360
tttacgttac nggctttgan gaangtcccn tttttaaatt taaccccccc cctttcaaat 420
aaaaatcccc gacaaanggg ataa 444

<210> 11555
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-E8

<400> 11555

agagaaatat aaaaacttag acaaattattg ccacaaccgg tgaaaatgga gatcccggtt 60
cgagaggaga gaagatcctc ctcatcctct gccggaccat tacaacaaac catctcctta 120
gcagctgacg acgccatcga tagcgggtcca tctctccgc ttgtcgtcaa agtctctgtc 180
ttcgaaacag agcatgagac gaccaagctt atccacgcgc cgtcaactct gctcggtgaa 240
accaccggag acgctgattt tcttcccatt caaagcttta gagatgctaa acttgtttgt 300
gtggttgaaa cgtctaaanc ttgggaaata nntgcancta naggctttta aaatcctttg 360

naattacggg ggtaaanc tttaaaaggc atcttcggtt gggcaanac gggngat 417

<210> 11556
<211> 626
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-F1

<400> 11556

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acccaacgnc gntccgagcc ctcaatccct ccctcgnctt cttctcgttt aggcctctct 120
caaaattgaa gggaagcccc ggaatttagg gggtttcctc caatttgggg tttataatcn 180
aaatttcgga attcaatcct cccaacaaaa aaggcttctc cgaaaagaac tccttttcgg 240
gtggaattct caatccttcc ttcttccttt gntttaagcc ctnccctggg aagggttact 300
ttttgttttg gttactaagt tccaaaaaac aatgcccgga aaaggaagaa ggggaaaaga 360
aacgggtccc gggtatcctc cttggataaa agttattaaa accgaattcg gcccaactgg 420
tggtttggtt gaangggcaa aagncccttt ggccttttgg aaaancccg g aanttganga 480
aaancaaagg tttaaagggg gaaatttggg ggnaaaagaa aggggctccc gtttggtnc 540
ccnggttttt ggtaaatngg ggaaacnaat tccnttcca acaaaattng ggggaaattt 600
ccctttcccn cnaaattttt gggntt 626

<210> 11557
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-F10

<400> 11557

ggngnacnt taaattcnac gcgntccgta acggtctcca aattcncggg nccatccang 60
cgtccaaaag tttgttttca gaaanaaaga acccaanana aactgcnaca tgcttacta 120
cgaatgctac atngggcatg ggaanaagac anaactcgac accganactt gtgctaagg 180
cgttcaacga aacaagaact tgggtcttga agagtacagg tttctccttc gtactatggc 240

tagttccggg ataggagaag aaacgtacgg nccaagaaat gtgcttgaag gtagagaaga 300
ctctcctact ctcccttgacg ctcaactccga aatggacgat atnatgttcg acactctcga 360
caagctttttc cacaatgaca aaaggntcaa tctcctcctt cagacattga taatccncgt 420
tgtcaacgtc tcantcctcg gtcocatctc ctctctaanc tcacgagtca tcaacaagat 480
acaagatga gaagaagaca tccnat 506

<210> 11558
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-F2

<400> 11558

gnggnnnngn aacntntact cncncgggcc gggtcacagn atnacncggg ccgacccacg 60
cgtcnnccca ngcgtccgcg gacgcgtggg caactacata ctgcaaggca agagctaagt 120
catgccttgt atcagcatga ttctgcttgt cgtgtgattg ctagacttaa aaaagaaaga 180
gacgaagcac gccaatfact ggccgaggtt gagagacata tacctgcggc ccctgaagct 240
gtgacagcta atgctgctct gagtaatggt aaacgagctg ccgttgacga ggaactgggt 300
cctgatgcaa agaaattgtg tcctggaatt tcagctgaaa ttattacgga attgactgat 360
tgtaatgctg ctcttccca aaagcgaaaa aagcgacaag attcctcaaa cattggcgctc 420
aataanatac tttgganaag gttantcaac tatcaagcca nccanttnac aagacaacaa 480
acaagcattg ttcat 496

<210> 11559
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-F3

<400> 11559

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gtctatgatc atggcttctt ctgctgctgc atcgatctct atgataactc taaggaacct 120

ctctcgcaat catcaatctc accaaagcac ttttctcggt ttctctagat cttccataa 180
 ccaaaggatc tcctctaaca gtccagggtc ctccacacga gcaagatcca ccacttctc 240
 cactggaggt ttcttcagaa ccatttgcaa caagcaanta gcaattgact aactccaaga 300
 caactaaaga ttcaaagagc ttaacgtcta cgagttcaac gaaagggatt gaaacaatcc 360
 aancggtttt aaaactaggg aaaaaaacca gattaagcnt tggccccgga natnttgtcc 420
 ccctcaanaa acaaactccn aaacag 446

<210> 11560
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-F5
 <400> 11560

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 gggttgttgt aggaggtgtc gcattggctt gtggccttca ctctgggatc attggcaagg 120
 ctttactggc tggagctggc cagagactgg ctcttaggtg agaaaccttg tcgtattctt 180
 attatatctt cccttgacag aaaagagaaa catatgcata taattaangg aaaatgtatt 240
 atttttgcaa ctctctgag aaaggcatgt ggttttgggt gggatgaacca tgtanagtag 300
 tagctttaa ctatggagtc ataagttatt tgagttctat cttgtaccac angataatga 360
 gatatgtatt taataaccaa tatgaatcca catancttct aaaaaaaaa 408

<210> 11561
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-F6
 <400> 11561

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 caatactcgt ctcttcttct ttcttcttct tcttcttctc togtaccttc ttccccctct 120
 ttctctccga ttcttcaac cactgtttcc ctaccggaa ttgccagcg atgcctcagg 180

atgggtcactt cttgcgtctc caacgctcag aaatccgtcc tgaatggtgc caccgattcc 240
gtctctgtcg tcgggcgga gcagattcgt cttggtcttc ctagcaaagg acgcatggcc 300
gccgattcgc tggatcttct caaggattgc caattggttg tcaaacaagt naatccaaga 360
aaataagntt gccaaaattc cnaagttacn aantacngaa ntttggtttc a 411

<210> 11562
<211> 554
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-G1
<400> 11562

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agacgtgtat aacaaaacac taagacacat tgtgaagata gaaaaaatg gagagagcag 120
caattctccc gagtggttaat caaaattacc tactttgtcc ttcacgcgcc ttctccacgc 180
gcctccactc ctctactcgt aactttatcg ccgccgtcat ttngcctcaa tcaagcttca 240
gcattcttct tccctcctgt ttccttctaa tgggtgggaa tctctcctta actccgatgc 300
aaacgctggt ttccgtccca aatttccttc ccaaagttaa cggtttgggt aaacctggaa 360
antttaancc ccggaacaat taagaaattt ggggggaata anccggtttt ggggaatttt 420
tggggggcct ttaaaagncc caaagcctg gaaatttaaa naangggta angggttgaa 480
atggnaaaaa ntggtttaac caantttgga attggggana aaagnttttc ctccaaaaaa 540
aagggggggg angg 554

<210> 11563
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-G11
<400> 11563

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cattttttta ctccctctct ctctctctct ctatggagag acgaacgaga cgagtgaagt 120

tcacagagaa tcgtacggtc acaaacgtag cagctacacc atctaacggg tctccgagac 180
 tgggtccgtat cactgttact gatcctttcg ctactgactc gtctagcgac gacgacgaca 240
 anaacaacgt cacggtgggt ccaagagtga nncgatacgt gnangagatt aagattctgc 300
 caangtgaat cttcttcttc tancgcgggc gaggaanngt aagcanaatg gaggangaaa 360
 gccttatggg ttgaagatga cgtgtcgacn tcggtgaanc c 401

<210> 11564
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-G12

<400> 11564

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 agtagaaaga ggaggaagtg agtcatggtc gttttctggt ggggttttggg acaaagttat 180
 accaaaanaa aaaaggtttc atggaacatc tcataataca ttcttgtttt ttcttttctc 240
 tcatatgttc ttcaaccctt tgaggaggga gaggtctcag gtttttatca agtgggggca 300
 ttatttagagg acaatccctt gattttttcn tttgttttcn tttaatattt ggttanttgc 360
 aatccttgca tcatcatttt gtcctttggg ggggttggtan gtttgattta aaccattatt 420
 cacaatttta attttaagaa naaangaaac cnnnnggnan na 462

<210> 11565
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-G5

<400> 11565

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 tggcgtggcc ggtctgacat attggagtcc gaatgtgaat atcttgaggg acccgcggtg 180

gggccgaggc caagaaactc ccggagaaga tcctatcggt gccgcaaat atgccgccag 240
ctacgtccgg ggacttcagg gtactgctgc cggtaacgc cttaaagtcg ccgcatgttg 300
caaacattac actgcttatg atcttgataa ttggaatggc gtcgancgtt tccacttcaa 360
cgctnangtc accaacaaga tttagaggac acatacaacg tgccatcaaa tcatgtgttt 420
acaaagga 428

<210> 11566
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-G6

<400> 11566
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ttggattgaa gaagaggaaa ctagaccgga gcaacaggct agcttctcag ctttttttga 180
aaaaccgagg gtctcattgg tctcccaaac actattttcg cctgaacgat gaaaatgcgg 240
atatggttcc gctgaaaaac tatttgatg ctcaatacta tggtgacatt accattggta 300
ctctcctca gaagttcact gtgatctttg atactggtag ctccaatctc tggatacatc 360
tactaaatgt tacctaacgg gtgctggtaa ttccanncca agttnaaggt aacccatcca 420
ncncaaa 427

<210> 11567
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-E5

<400> 11567
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aagaaactga tgattatttg tgataatcat gagcctgaga tcgtcgcggc tcttcgcat 180

gatcttggtgta agcctgagct tgaatcttct gtttatgagg tatctctact gagaaactct 240
atcaagttgg ctcttaagca gctaaagaac tggatggctc cggagaaggc aaagacttct 300
ctaacaacgt ttctgcatc cgcggagatt gtgtccgaac ctctggtgn tgttccaatg 360
atcncggnntt ggaacnacc tttccggtgg ccaattgatc ctgttattgg tc 412

<210> 11568
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C1
<400> 11568

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gtcgttgctt cgcgggccc gctgatcacc atggatctac caaggttgac ttctggaaac 180
agcccacgaa cccaggaaac tggaaagagg agcattttgt gcttatttct ctgtctggct 240
ggggcttact tttctacagt ggatacaagc tcgccactgg gggaaaaaaa gagacgcctg 300
tggagagtac acaatgagtt tcattgtcac caaggaagac cttttatggn gaaaaactcc 360
caattcccaa ngaacttggg ttncccttt taccaaattg ggaacngggc cttgngtttc 420
aattttgaaa aataattttg aancactttt ggng 454

<210> 11569
<211> 424
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C10
<400> 11569

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accacatgct tggctgtcta gcttccaaca ctgcgaagga gttacttaac ggacaggaag 120
tggttgttgt ccgatgtgaa gagatttgct tctcgggagg tttggttcga caaaagatga 180
agtacatgag attccttagg aaacgtatga acactaagcc ttctcatggg cctattcact 240

ttcgtgctcc ttccaagatc ttctggcgca ctgttcgcgg gatgattcca cacaagacca 300
 agcgtgggtgc tgctgcactt gctcgcttga angtttttga gggaatccca actccttacg 360
 acaagattaa gagaatggnt antcctgatg ctcttaaagg ttttgagact tcanantgg 420
 caca 424

<210> 11570
 <211> 120
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-C12
 <400> 11570

gatcatnagg catgaggaat gggcattgggt caagaaagat gaagctgtag ctgctaagaa 60
 naacagtgtt gagggcccgca agcttatctt caanagagct gagcaatatn ccaaataata 120

<210> 11571
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-C2
 <400> 11571

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 cagaatctga ttccgccgtt ttcaaagggtg gtgtctcatt ttggcattag cggaatctcc 120
 gtcgcattgg ccaactggcgt gactcatcct ctcgatgtag tgaaagttag attgcagatg 180
 cagcatgtcg gccaaagagg tccgttaatt ggaatgactg gaatctttct tcaactgatg 240
 aagaatgaag ggcgtaggtc tttatacttg gggttgactc ctgctctcac tagatcagtg 300
 ctttacggag gtcttagatt gggattatat gaaccaccca anggttcctt tgattgggca 360
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<210> 11572
 <211> 290
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C3

<400> 11572

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agcgacggag gattggacta cttgggcaac ccgagcttgg tccacgctca gagcatctta 180
gccatttggg ctactcaagt taccctcatg ggagctgttg agggctacag agtcgccgga 240
gaatggccaa tnggaaaaac aaaaganttn nnttaaccaa gtngganctt 290

<210> 11573
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C5

<400> 11573

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tcttcttcac atacctagct gctgtatact atacgtgaac caactccgta ttctacttta 120
gaggccatgg gaaaagcttc tcgagacaan agggatatct attatcgtaa agctaaagaa 180
naaggatggc gtgcaagaag tgcttttaag cttcttcaga ttgatgaaga attaataattt 240
ttgaaggtgt gaagaggggc ntagatttat gtgctgcacc tggttaactgg agtcangtct 300
tgagtcttca antagatctt cctgcaaaat cctcanctga atcnaaagat tgggatnttc 360
ccctatanta cccttc 376

<210> 11574
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C6

<400> 11574

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actcagctga tgctaccaat gagcactgca agttaggggtg tgaaacttct gtgtgtgggtg 120
ccatgaacac tctccagaac tctgatgcaa gtgaaattgt gaatggagcg tcggaacaat 180
gtgccaaggg atgttctatt ttctgtacca agagctatgt agtcccacct gggccgccta 240
aactgttgta atggtcgtat atgtgaaaaa acaaattgcta gactcttgct attctggggtt 300
tgtgtgtgtg tgtgtgcatg tgctgtanaa ggtttggtcg atnactanat tgtacatgcc 360
ctctacttcc tataanctaa attaaagant taaacgtact gtcnttttatt gaaaaaaaaa 420
aaaaa 425

<210> 11575
<211> 284
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-C7
<400> 11575

caagtcaaaa ntgngtgnnt gccaanactc tgatacatgc cctcgagggtt gggtaaacgc 60
cattctcgaa aactcagctg atgctaccaa tgancactgc aagttaggggt gtgaaacttc 120
tgtgtgtgggt gccatgaaca ctctcnagaa ctctgatgca agtgaaattg tgaatggagc 180
gtcggaacaa tgtgccaagg gatgttctat tttctgtacc angagctatg tantcccacc 240
tgggccgcct aaactgttgt aatggtnnga tatgtgaaan anca 284

<210> 11576
<211> 494
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-D1
<400> 11576

aattttactc gncgggccccg gtcanaaata accgggtcga nccacgcgtc cnccaagcg 60
tccgagctgc tgaagaagaa acctcatcct tcgaacgtta agaggaagaa gaataagaga 120
aatcgattcg tggttttggg aaaattcaat ggcgggttct actgtatcgt cgtttctatt 180
gccatctttc ggcattccaa gctcttcgcc ttcttctacc anactcaaag tctctctgct 240

gccttcatct tctacccatg ggggccttag ttcctgcgtc cttacgaaac catccgtctc 300
gcttacgaan gtcttcgctg ttcccatac cctagatcca actccagaaa ttctcgatga 360
acccgcctct gaggttccga gctcttcac catcagtga gacgcgntt aaaaggngnc 420
aaanccaaag gattaggntn aagcttaatt atacnggggtg cctcttattg aggactcatg 480
caagcagata cttg 494

<210> 11577
<211> 152
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-D11
<400> 11577

ctcatccacc caaacncaca tgtcttgtn tcttctctt atctttctcc ttgtgattcc 60
tttttatatt cctctgatat ttctctcag ttgatctca ttgctctgc aatggcgact 120
accatgantg ctgcngtttc tctcacatct tc 152

<210> 11578
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-D12
<400> 11578

nnnnnggnnn nggnaacttt taaacttctc acgcagctcc gtaacggtca caanttcccg 60
ggncgaccca cgcgctccgg cgcttgctgt tctcgatgtc tcgagggatg ctatggcatt 120
ggntccacct gatattataa ctgggttatga gtttggtgag gaagctttga agcttttaca 180
ggaggaagga gcangtancc ttgcaccggn ttacgtgca caanttgatg agactttggc 240
agagatcact ccgcgttatg tcttgagact acttggttta ccgcttggtg atgattacgc 300
tgcgaaaaga ctaaattggt taagcggtgt gcggaatatt ttgtggtctg ttggaggagg 360
tgagcatca gctcttggtg ggggtttgac ccgtgagaag ttatgaatg angcgttttt 420
acgaaatgac agctgctgaa cangttgatc ttntgtnt accccaagca ntattccanc 480

agngtcattt gaagttacaa g

501

<210> 11579
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-D4

<400> 11579

agtaacaggc cacgttttgg ctctttctct acaaatgtac ggctgcaggg ttatccaaaa 60
ggcgtagag gtggttgaat tggagcagca agctcgaatg gtgaaagagc ttgatgggtc 120
tgtcatgaaa tgcgttcacg accagaacgg taatcatgtg atccagaagt gtatagagcg 180
tcttctcag gattggatac agttcatcat ttcctcattc tacggaaaag ttttagctct 240
ttcaacacac cttatggat gccgtgtaat ccagagggtg ctggagcata ttgatgatat 300
agaaacccaa cggatnatta tggaagaaat catggaatca gtctgtactc naacacaaga 360
ttaataccgg aaataagtta tccagcatat catacacatg gtaaaccat gaacggtcag 420
aaatt 425

<210> 11580
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-D5

<400> 11580

gcttcaattc aataaaaggc gaaaaatctc tcaactgcact ttatctcgag agctcagatc 60
tccgatctag agcctttcgc ttctcctctt ctgttcatat aacaactgaa taatgtcgat 120
ctccgccccaa aatccggata tttccggcga tagacaatcc ggccaagatg ttcgtactca 180
gaacgtgatg gcttgtcaag ctgtttctaa tattgttaag acctcacttg gtcccgtcgg 240
cctcgacaag atgttggtgg atgatattgg tgatgtgact attacaaatg atgggtgctac 300
tattcttagg atgttgaggg tcgaacaacc tgctgctaaa ggtcctgtcn aagtaactga 360
acttcaagat anaaaattcg gtgatgggac aanatcgggtt gtaatgtacc gg 412

<210> 11581
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-D8

<400> 11581

```

gnnngnnnnn gttattcgcc cgntcggcac angtcangan ntcccgggnc gacncacgcn   60
tcnacaantg ttngnggaaa tcctgggtgct ggaacacttg acttcttgcg caacagccaa  120
cagttccaag ctctgcgagc aatgggtgcaa gcaaaccctc aagttctgca gcccatgctt  180
caggaactgg gaaaacagaa cccaaacttg atgcggttga ttcaagacca ccaagctgac  240
ttcttacgct taatcaatga acccgttgaa ggagggggag aaagtggcaa cctccttggc  300
caaatggcgg cggaatgcc acagccacag gcgattcaag tcacacatga ggaacgtgaa  360
gccattgaac ggcttgaagc gatgggattt gagagagcat tgggtgttga agtggttcctt  420
gcntgcaaca agaatgaaga atttggctgc aancaatctt caaattacat gcatgaattc  480
naggaataac t                                                                491

```

<210> 11582
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-E1

<400> 11582

```

ngnnngnagg ttnntngccg gnnccgggtca aagnnaaccc gggncggncc acgcgtccnt   60
cacattctct ttcagataaa caaacagttt cttagtttcg ttcgagatga gcgggtgaagt  120
ttgggagatg gaacaagcaa gcagagatga attcgataag agattgtttg aaacattgta  180
attccatcgc tatcgacaca gagtttcccg gatgcttaaa ggagactccc atggacgcaa  240
gtgatgaaat tcgttataga gacatgaaat tcaatgtgga caacacccat ctcattccagt  300
tagggttaac gctattcggc aaaggaatca ctaaaacctg ggagatcaac ttgtcagatt  360
tcaacgaatc taagagcttg aaaaatgata aatctatagc gtttttataaa aacaatgggt  420

```

tggaatncgga taagattang agaagaaggt ttggaatcaa aaattcttca tggagttttc 480
tcagattctc aatgagaa 498

<210> 11583
<211> 253
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-E4

<400> 11583
gtgggagana atggaangtg taagatcgag attgagccng acgtcatcga gatacantgg 60
tccngcggcg acagnggtgt tcagtggccg tgtaatgaaa tggaagaaga atgggtacnt 120
gtctcaacct catccgtcgg tgttttcaga gcatctaaat ccaacggctn taataacanc 180
atcaacagtn actcaccaca ccatctactt ctccataant gggactccac ttactcagcg 240
acngttactg ctc 253

<210> 11584
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-B8

<400> 11584
tttctcactc tctcgtcttc ttcgtctgag ctatcaaact ccagtcaatg gcgatgatga 60
cgacgacgac gacaacattc ttccatccac tacttctctgc taanacttac aaatccggag 120
ctgtagcttc ttctttgtc tcagttcctc gttcgtcgtc tctccaattt cgctcacttg 180
tgtcagattc tacgtcgatt tgtgggtccaa gtaagttcac cggaaaaaac agaagagtat 240
cggttaccgt ttccgcccgc gcaacanctg ancctctcac cgtcatcggt accggtgccg 300
gtggaagaac agganatatt gtgtataata aattgaatga naagtccgag caattcgtgg 360
gaaaggggtt aatnaggac aaangganaa ttaaggagaa gattaaatgg aaaaggatga 420
antatcattg g 431

<210> 11585

<211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-H10

 <400> 11585

```

atacaaacac tgataattca agtttgtatt caaggtaag tatctttaga ggcttatcag   60
cagaagcagt agaagcagct gatcctgcta ctactagggc caccgtctca gatgtgaata  120
gaacagggtcc tcttgttgag tatgagagaa gaatcagtaa tgggtgaactc atgactgggtg  180
atatctgcca aattagtgc ttagagagagc ttcagagact atatgatgag cttgtggatt  240
cagtagatac atgtcgttta gatcgggtata atacttctga taaatcctca agaagtcggt  300
ggttttggtc tcggctcatg ccacagactt cttactcacc cgtcaaanga ttataccttt  360
atggagggtg angtacagga aaaaccatgt tgatggacnt atccttgatn aactgccttg  420
tacttggnaa aaacaa                                                    436
  
```

<210> 11586
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-H11

 <400> 11586

```

tgtggatcaa gaaacaatgc aaattcaatg caaaacccta acttttacag tttcntcgat   60
tccttgtaac ccaaagctac cattcccata ttcctcact ttacggtcac ggaatccttc  120
antcccgagt ttcaaggagc tccgctgttt cgggnccaaa gtcactactg aaactgaaca  180
nggtttttaa gaaactgtgc aagtacgaat caaggagctt gttgttgatg gagaaaccgg  240
aaatgggtcg atttcggagc tccaaggaga tgcagcaa at ggttcgattt cgccggtggg  300
aagtggaagc agaagtagaa gaagtgaagg tagatgattt ggcgactcag agcatttggtg  360
gacagatgaa agagatcgtc atgtttaccg gacctgccgc gggaatgtgg ctaagtgggc  420
cgttgatgaa tccca                                                    435
  
```

<210> 11587

<211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-H3

 <400> 11587

```

atgtgtcgat tgtcccaaataattttaaaaataatttcacgtgtcnccat tttgctgacg 60
tcattattcc cctttttcct ttttattgtc acatcagaat tttttctaac tcattcattt 120
caatcaatct tctncttctt cttcttcttc ttctcagag aaattctgtg ttgttgata 180
cagagagatg ttctcanctt ctacactcgn ttaantctct atctctcttc ctctctcttt 240
ctcttctctt ctctctcttc atcctcncaa cacacatcct tctctcttcc tctaccctca 300
tttccaccgc cgatgaccta gacgacctct ctctcttcca ncgcgcgcgtc gtcgcttct 360
ccaacaaaca anaaccgtcg tctcannnnc ctctnngcaa aagcaanccc aaaaggttgg 420
ngtc 424
  
```

<210> 11588
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-H5

 <400> 11588

```

tctctctctt ttcattcttc agatccagag agagagaaag agaacaaaac atgaagcttt 60
attctgtttc catcatcatc ttctgtttaa ttgtctcttc caccatagtt aatgctcaac 120
aagctgctac agattctctg aactcaactc tacctctcaa cgacctcacc ttcaacacca 180
gcctccttca atgcaccgaa gcttggactc cccaaaattt catcctccga tatgcaagaa 240
cggcagagaa cacatggagc tttatcttat cggcgccgga ttcaagcgct ttcacgga 300
tcggattctc taccaacggt caagatgatt gggaagcaac gcgatngttg ggtggntanc 360
ttccgaacgg ngggttcng gaacngtgaa accgttactt gcccgggggg gaaatctccc 420
gggnaaggt taaacctga c 441
  
```

<210> 11589

<211> 488
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-H8

<400> 11589

```
ccgccccngn nnaaataaaa tcgccggtcg acccaccgcn ccgatttacc tcaccatgcc 60
tgccgctgaa tacggcaagc tcanagttec tagaactatc tccgatcttc gattgctcaa 120
agagaatctt ggggtcttatg caagtgaagta ccaagcacgg ttcattttan gttactgttc 180
gacgtatatc tttatgcaga cttttatgat acctggaacg atctttatgt cattgcttgc 240
tggagctctt ttcggtgtgg ttagangttt tgttcttggt gtccttaatg caactgctgg 300
agcatgttct tgcttcttct tatcgaaatt ggtcggtaag ccattgggta actgggttat 360
ggcctgaaaa agttgaggtt tttccaagct gaanattgcg aaaagaagag atangctgcc 420
aaaactacat gcctgttcct aaggntaaca ccaaaaactt ccaaaaactcc ttaanaaatt 480
gggtcttcc 488
```

<210> 11590
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-A1

<400> 11590

```
ccgnacaggn caaaaactcn cgggtcgann cacgcgtcna caccagatca cgtttntctt 60
cttctcgtca caaatctctt atctctctct ctctttctct cttatataaa gagagaaata 120
tacaaaacct ccaagtacgt ttcacgacgc ctacctaatt catcaaaaaa ttgtgtgagg 180
cttatttgat caataattat gaattctggt cgtcgatcgt taatgtccgc cacggcgagt 240
ctgagtttgc tgttgtgtat cttcaccanc ttcgtcgtgg tgtcnaaagg tgagcttcag 300
agattatana gccggctaaa agcgacggtc cgtaagttt atagcaccga gattgggtcn 360
tctggctctc aacatnccg tgctancna gggaaaattg naaaantgct aaattcgngg 420
gtcacggaaa aattcacaca tgatgttang a 451
```

<210> 11591
 <211> 127
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-A10

 <400> 11591

gatccangtc ntgtcaanac atttgttagga gaccatttcc acttacataa nagcattgag 60
 agagatgtcc tgaccgatgn ctctttcatg atcattcccg tgttgataac caagttggaa 120
 nattctc 127

<210> 11592
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-A11

 <400> 11592

nanntcttgc ggccggaacg gtcntnnant cccgggncga cccacgcgtc cgnccacgcg 60
 tccgcccacg cgtccgggat ctccaaccag aagagcttca attcttgaca atacctcaac 120
 tacttcaaga atcaatctca atcaagaaac gatctccaag aaccttctac ctcataaccc 180
 tctccttcat ctccctcttc tccttcgcta tctcgtctca ctactcttc actcaaccaa 240
 tcttagccaa actcgacaaa tccgaccac caaactcaga tngttcacgt catgattgga 300
 ctgttcttct aatcttccag ttcagttact tgatcttctt ctttgccttc tctcttctct 360
 caaccgctgc tgttgcttcc aacgtcgctt ctctttacac cggnaaagcc tgttctcttc 420
 tcgtcaactc tctctggnga atcccaaaag gtcctttaaa cgaatccttt aaaaactttc 480
 ctttgg 486

<210> 11593
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-A2

<400> 11593

aagacgcatt ggcgcacatcaa aacacatctt gccatcagtc atcttgatgt cagcaaaatt 60
aataatatcg tggctgatat gcgcaagggtg ttgtctaaaa atcctcaa at cgagcagcaa 120
aaaatacaca gaagagtctt tctggaggat atagatccag agaaccaagc ccttaggatt 180
ctaatatcct gttttgtcaa gacttcacgt tttgaagaat acctgtgcgt taaggaagca 240
gtgctcttgg atcttcttac tggtattagg catcacgggg cacgtctagc aactcccatt 300
agaacagtac agaggatgcg taatgangct gaagtggaca ctgcaaggat ttcaagacat 360
ccgtttcatc aaancagcaa tgaaccgccg atacatgctg attgagccat cttataaaa 419

<210> 11594

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-109-Q1-E1-A3

<400> 11594

ttgnngtaat tcttatggtn ttttgggtgtg tgtctgacng gcctngccat tctctaaaag 60
tnaagtcgtg ntatgggnag tctcgaaggg atggatctgt cagaatctga aaacctgaca 120
gaaattccag atctttcaaa ggccaccaag ctcgagtctt tgatactcaa caactgcaaa 180
agtttgggtga cacttccttc tacaattggg aatcttcata gattggtgag gttggaaatg 240
aaagaatgca cagggctgga ggttcttccg accgatgtca acttgtcatc tctcgaaacc 300
ctcgatctca gtggttgctc angtttgaga agttttctc tgatttcaag gtaatattgt 360
tggetctatc tggnnaaaca ccgccattgn gngaanttcc ttcgncaant tgggaaatcc 420
ttccangagn ttngtgncag ggtttanaag ntg 453

<210> 11595

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-109-Q1-E1-A9

<400> 11595

aacttntncc ngctctgtagc tctgmnngg tcacnantnc acgggtcgan ccaagcgtcc 60
nacaaggcac aagttgtggg atggccaccg gtgagatcat accggaagaa cgtgatgggt 120
tcctgccaaa aatcaagcgg tggcccggag gcggcggcgt tcgtgaaggt atcaatggac 180
ggagcaccgt acttgaggaa aatcgatttg aggatgtata aaagctacga tgagctttct 240
aatgctttgt ccaacatgtt cagctctttt accatgggca aacatggagg agaagaagga 300
atgatagact tcatgaatga gaggaaattg atggatttgg tgaatagctg ggactatgtt 360
ccctcttatg aagacaaaga cggtgattgg atgctcgten gcgacgttcc ntggncaatg 420
ttctccatac atgcaancgt ttactccaag aaagggtngg ttccaatggt cncnccncca 480
aggg 484

<210> 11596
<211> 515
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-B1
<400> 11596

nnnngnangt ttattcnncg ggcggtcaan cnnacgggtc gagcacgcgt ccgcacaant 60
tgtaacccaa gaacctatat caccaaagcc tctttcatcc ccacgtaagc aacaacaact 120
acaaacagag accaaggaag caaaagcaag cgtgtcacia accaaactca ctactctaac 180
tccaccagga ccaccaccac caccaccacc accgccacca tcgcccacia ccgccgcgaa 240
acgaaacgct gatccagcac agccatcacc aacagaggca agaagaagcg tcacagactg 300
tcgcagcttt accaagaacc agcgtctgag attcagcgag cgtcatcgtc gaaagagact 360
ataatggagg aaacactaag gntnactcgt gggaatccga naaaagctcc ntccggcggg 420
aagcaccgcn cctanganna tggattaaaa angaaaaggg gaacacataa ttttaaactt 480
ctaaccctt ttgattgggt tcnctttaaa acaga 515

<210> 11597
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-B10

<400> 11597

```
ncgcnttcng taacgggtctt aaattccccg gncgaccac gcgtccgnta gctgtaaacc 60
cgtccgcagt ggggtgggtgc agttgtaaaa gtccttcat ggtgaaactc tgaatcattg 120
actcaacttt cttctttaca tggactagaa accanatttg atcatttggt tattacatgt 180
atnatgtcag aagttttgct atgtatcaaa anngcataac tagggaaata tacataanct 240
ctgtaggctt ctagctcatc aaatgatttg tccatcctat ttttaatcac ataatggaaa 300
gatttatgca atncnttggg agnanatnca cccggtcnat gttcccaatg ggtngataag 360
ggangtc 367
```

<210> 11598
 <211> 102
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-B12

<400> 11598

```
ntctcttgtc ctancaccct aacatcggtc aaatcnatga ttcatchaca ctgattcgac 60
tctctccatc ttcattggagc tcgtccatcc ctctgtttcg nt 102
```

<210> 11599
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-B2

<400> 11599

```
nnnnnnngna antttnacgt tgnncgggcc tgggtcanagg ataaacgggt cganccacgc 60
gtccngaaaa acgcgtctcc gagaggaaaa tttagagaaa agcttctcgc gatcgcatcg 120
ggctcgtaga tcgatctcct cctccatcca atcttccggt ttcgtattca ccgtccggtg 180
agaccttccg gtacttgtga atcggagaag aggaaggaga aaaattatcg cgttcttgga 240
aattgaattt ctaggggttc gtttttttct gaattattct gattctgatt tcgtcaaggg 300
```

tgtttttctt aattggttga ttgatcgtct ttctaagttc aaattggtga aaaagtaatt 360
tgaacatcct attggaaatc ctgcttctcg ttgaatttga attctgggtt tccgttgatt 420
ggtttttttc caanggggtt ggttgtttta acccttttta attccaanaa gatnaatttc 480
caattgagaa gaatncaatg gcancaagg 509

<210> 11600
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-H1
<400> 11600

ccgctctgaa gcagaagaaa aggttaattct gaatgtctgg aagaaaccgg attcacagag 60
atatccgaga cagctatcat gatcatcgtg atttacctcc ggagagacct tttctccgag 120
gccctccatt gttacaacct ccaccaccat ctttgttaga agatcttcag atacaggagg 180
gtgaaatcag aaggcaggat gctgaaatca gaaggctttt gagtgataat catggactaa 240
gctgacgacc gaatggttct ggagagagaa ctcgttgctg ctaaagaaga gcttcaccga 300
atgaatctga tgatttctga tcttcgtgct gagcaagatc tgcaattgag ggagtttagt 360
gagaaaangc ataaacttga nggggatgtt cccgctatgg agtcgtataa gaaaggaggc 420
tcacaattc 429

<210> 11601
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-G11
<400> 11601

nnngnngtaa ctttanttcn ccncgttcgg caaaggtctc aganctcncg ggccgannca 60
agcntcaagg cngtgtgnata cgacggcacg agcttcaccg aagagcgaaa atggtgaaca 120
ttccgaaaac taagaacact tactgcaaga acaaggagtg caagaagcat accttgaca 180
aggtgacgca gtataagaaa ggtaaagata gccttgctgc ccaaggaaag cgtcgttatg 240

atcgtaaaca atctggttat ggaggtcaga ccaagcccgt cttccacaag aaggctaaga 300
 caactaagaa gattgtgctg aggcttcaat gccaaagctg caagcatttc tcgcaacgcc 360
 cgattaagag gtgcaaagca ctttgaagat cgggtggagac anaaaggaaa gggaacatcc 420
 tctnctttaa atttgnttgg ttccatccaa ccnacttttt ttggttttgg ttt 473

<210> 11602
 <211> 399
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-G12

<400> 11602

gctanacgcc tgccctcttg cacctctttt ctttctctcg ttctcatctt tctctctaan 60
 agattttgta ggtgacaatc aaaagtttga caaaatggtg aagtttacag cngatgagct 120
 tcgaaggatt atggactaca aacacaacat ccgtaatatg tctgttattg ctcatgtcga 180
 ccacgggaaa tccactctta ctgattcttt ggttgctgct gctggtatca ttgccaana 240
 ggttgctggt gatgttcgta tgactgatac cagagctgat gaggctgaac gtggtatcac 300
 tatcaagtcc actggtattt cctcncctac taagaaatga tggatgaatc ccttgaaaaa 360
 ntttaactgg ganccagaag acggaaacga gtacctcat 399

<210> 11603
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-G2

<400> 11603

nnnnnnngnn nnnttnnntt ncccgggnac ggtccaanat taacgggtcg acncacgcgt 60
 ccgggaacat cttggatggt tgaaaatcgt gttccgcaca tgctggataa tgattacaca 120
 ccatactcct gctcttgata tttttgtcaa gggatttggg aattgttacc ccgaagaagg 180
 gtcatcccgt aaagttccaa ctccatatat caacaagtgg cacaccaagc tattcctaag 240
 cccggctctg ctggcggggc tggggaacgg gataagatga tgctggggag tggtgaaang 300

gtttatgaaa acccttgcct gggaattnaa agtcgaaggg gagacttcct gttctgaaga 360
aaacaaagac ctactgaaat ctcttccaac tgaatggcct tcagacccta caactgacat 420
acatagacta aatatgggaa actcnaaaga cattggttgn tcctgatgaa tgattcaact 480
gggnaacaca aaactgggtc atgacgttaa aggtttt 517

<210> 11604
<211> 495
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-G3
<400> 11604

nnngggnnnn gnacttctac gtnnttcggg gncgggtccac anattaacgg gtcnacncac 60
gcgtccggat ggcncgtact aagcaaacag ctcgtaagtc tactggagga aaggctccta 120
ggaagcagct tgctacaaag gctgcacgta agtctgcacc aaccactgga ggagtcaaga 180
agccccatcg ttaccgtcca ggaactgttg cactacgtga aattcgtaag taccagaaga 240
gtaccgagtt gctgatcagg aagctccctt tccagaggct agttcgtgag attgcccagg 300
atttcaagac tgacttgctt ttccagagcc atgctgtgct tgcactccan gangctgctg 360
aaagcatact tgtgggtcnc ttttgaggac actaacctct gcgccatcca tgccaagcgt 420
gtgaccataa tgcccaaaga cattcaactc ctcgcangat taanaggag aacttgctta 480
aatgtnaatt gggaa 495

<210> 11605
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-H1
<400> 11605

nnnnngnaan gttacgttnn ccnggnncgg tccanaaatt aacgggtcna cgcacgcgtc 60
cgnggacgcg tgggtccgga cagtatcgcc ggtgggtaag gagctttgta agaagcataa 120
tctaccgtat aggagtcttt cgtgggtggga agctaattgtg tggacgatta ggactttgaa 180

gaacgcggcg attcaagcta gagatgcgac taatcctgtg ttgaagaact tgctttggga 240
agctgtgaac acgcatggct aaatatgtag ttttttatca cggtagagtt acacctaaaa 300
cagttcaatc taattaaaaa gtacatatatt attttgattt tctgctgaag tttataattt 360
tctaaatcgc caaacctaa agaatctatt tttgataaac aaatttgtca gacatgcgtg 420
cttgttctac gtttaagacg gatcgtgccg ggtcaatata catggacaaa ng tactccac 480
cggaaaaaac cgg 493

<210> 11606
<211> 261
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-H10
<400> 11606

annatnantn nggncttca aaagaacttg cttccgcttc ctggcttttg catgactcca 60
actgaaagat tacttgttta nccctacatg gctaattgaa gtgttgcttc ttgtttaaga 120
gagcgtcctg aaggcaatcc agcacttgat tggccaaaaa gaaagcatat tgctccggga 180
tnagcaangg ggcttgcgta attacatgat cattgcaacc aaaaatccat tcaccgggat 240
gttaangctg ctaatatatt g 261

<210> 11607
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-H4
<400> 11607

tcngaattcg acgtaaacag attncaacaa tggcggggcan ttcaacagca acaagcgaatg 60
cagaagaaca ctttatacgt aggaggttta gctgatgaag ttaacgaatc gatccttcac 120
gccgcgttta tacctttcgg cgatatcaaa gacgtgaaga cgccgttgga ccaagcgaat 180
cagaagcata gatccttcgg attcgttact tttcttgaga gagaagacgc ttctgctgct 240
atggataata tggacggtgc tgagctttat ggtcgtgttc tcaactgttaa ttatgctctc 300

cctgagaaaa ttaaagggtgg tgaacanggt tgggctgctc atccactttg ggcagatgca 360
gacacatggg ttgagangca gcaacaagga gaaggagant ctnaagaanc aagctgagaa 420
caaggctg 428

<210> 11608
<211> 325
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-H5
<400> 11608

taanntnant catatnattg ataatctctt caaaccgctc aatggcaaag acgaangaat 60
gttcagggaa ctcttgtag acttttacta cagttcagag aataggannc cagagcacat 120
cattatcttc agggatggg taagcgagtc tcagttcaat caagttctta atattgaatt 180
ggatcagatg atgcaggcat gcaagtttct tgatgatacg tggcatccga agtttacagt 240
gatagttgcn cagaagtaac cnncacacgn tngttcttcc agtctcnagg ccctgataat 300
gttctctcag gaacaatnat tgana 325

<210> 11609
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-H9
<400> 11609

nnntnccgcg nncaggtnaa ggtcacagan tncccgggcc gaccangcg tcagctcatt 60
tctcttttgc atttctttct ttttttctgc attgcattct tttgaggggt ttaattttct 120
gcatagcttt gtctaattct ttagagctca ataagagaag atggatgttc cacggccagc 180
tttcaaagt tttgatgacg atggccggct taaacgttca gggacggttt ggaccgagc 240
tgcgcatatc ataaccgccc tgattggatc tgggtgttcta togettgcggt gggctatagg 300
tcaactcggg tggatcgag gtctacagt gatgttggtg ttctcttttg tcacttacta 360
ctcttccag cttcttancg actgctacaa gaaccggaga ttctgggtctc tgggaaagag 420

aaactatacn taacatggac gccggtccga ttaa

454

<210> 11610
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-A1

<400> 11610

ttactgattc ttcatlgacg gtaggagtca ccacttttgg cggcgattcc ttgttctcta 60
ttttttttgc acaagcaaca tttagcttct gcaaactcca gttcatctct caaccctcat 120
atcgccgtgt tttctcgctc tagtaccgcg agctcggacg aaccaggaag caatccgtta 180
atctagaagc ggtgttgaga agatgacgat tacatcaa atctctgtac agaacgataa 240
cctcgttggt caagggaaga ctatccttac caaaatccct gacaacatta tcctaactcc 300
ggttaccggg taatgggatt cgtttccggt tcaattaaag gcgcgacgtt tggancaaaa 360
gcaagagtcc tcatgtgntc cccatccggt gtattgggag ggtcctccgg gtcnatgtgn 420
cggtttccgg gnttaagg 438

<210> 11611
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-A11

<400> 11611

annnacnctt nccgacnntg attccccggn gccgttttctn gnaacnngtn gggggtttgg 60
ggtcgacgcc gtcgtttgca gttccatcca agttcccttc gtccattacc ttcccggcat 120
attcgcttct ctccgagctt tgatgttcaa ttgcgtcaag aaaagaagac attgattact 180
ctccttacga cgaaggcgag tggagattga agctgtggct tttcatagcg tatgtcgtag 240
catttgtttc cttagctgct tctgttggt tgctgattca agattcgggt gtgaagactg 300
ggccttcaac ttggactggg tgtggctggt gtctttcaat gtgtatttgt attgataagt 360
gggctaattgt attggacatc gcactcaaga gtaacgcaca agcacatact tcatctcccg 420

actcagantc atactgg

437

<210> 11612
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-108-Q1-E1-A12

<400> 11612

gcaaagttgt atttggagct taaaacccta aaccaagaa atccccaact cttaaacttg 60
agaagatgat ggctgatgac actgaactcg tcagtaacac tgaccagaag atggaagacg 120
cttcagccga aaaccctgcc cgaagctgat tccccctcat cggatgattc cggcgattct 180
gattccgact cagaagatga agccgagtcg aatcagcaga ttgtaacctt ggagtcggag 240
ctctccgcta atccttacia ctacgatgct tatgtccaat acattaagct tctcaggaaa 300
acagccaacc ttgaaaagct aagacaagca agggaagcta tgagtgccat atttccgttg 360
agtccttcct tgtggcttga atgggcaagg gatgaagcgt ctttaaccgc tagtgagaat 420
gtgcctgaaa ttgt 434

<210> 11613
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-A2

<400> 11613

cttttttctt gccgccaccg gtccaaaaaa tcccgggncc acccaagcct tcaagaaac 60
acaaacagaa caaacaanna natcaatttg aagagtctct caatcgttag gggaaacaaa 120
tagagaaatg gctaacttta actggcctcc gcttccaacg tctccgccgc tcgtccggct 180
ctccttctca agcctaccgt cgccatctct gctcctgttc ttggtttgcc tccaatgggt 240
aagaaagaag ggangagtga gatgttcaat ggagacaaag caaggaaacg tctcaatcat 300
gggggctgga gtttcagctg caacaacagc tgctttgacg gcgggtgatga agcaatcccc 360
gcatggcctt tggttgatga gaggatgtca acaagaagga acaagattan cctttggtct 420

aagcaacaac ctcttgggtt ggattctgtt tggagtcctt ggtttgatct ggacnttcct 480
cctcgtccaa acttcatct 499

<210> 11614
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-A6

<400> 11614

ggccgccact gcatccttgg actccttcgg aagcttgata ctgttcttca gcttctctct 60
cttgctcgcc accgacggcg actcctctag catcctctga agacctccgc cagctcttgg 120
atccaccatc tccgccacaa tctccttctg aaactaataa ttcacgagat tcttctactga 180
cagctgaaga tacagagcaa gactgtccac aatccttcgt aagactatcg tccagtaaga 240
tgctatctctc atcttcatat cgaaggcttg ctgcaggaga tgagcatgat acttccgtag 300
gtgagagatc ttcacaattc caccaaattc agtcaacgag aagtgtcaa gnnnttttcc 360
aatcngncaa cacaagcata aatgaaantt tggttgttca ancagtcac cggatccaag 420
acgtca 426

<210> 11615
<211> 150
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-108-Q1-E1-A7

<400> 11615

tnaagatctt gtgttccagt anctcgccan gaangtcctc caccgtccaa tggatttcga 60
tctccctgan ctccgttctt gcaatgttga tccatgggac ttgccatgan agaagaacaa 120
ggaagtgtat tacttcggga aaaaggaana 150

<210> 11616
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-F9

<400> 11616

tnactgnccg ccgnccaggt anaggtcana gantttcccg gccgacccaa ncgtcnncca 60
gactactcat atctaaagag acttttccga gacttggtta tccgtgaagg ttatcagttt 120
gattatgtat tcgactggac tgcattgaaa caccctcaga gtagtgccag gtcccattcc 180
agtacacatg aaaggcatcg taccggtaaa ccagggatgg gtgcgggacc gtctgctgaa 240
aaacctgaaa ggatttcagt agggaacatc cgcgataaat tctcaggtgc ggtcgaagca 300
tttgcgagaa ggaacgttag aggacccagt ccccatcaaa accataccag acatcgaact 360
cttgacgaaa ttccttcaat gaaacctgct gtgaatatgg tatctgagan ngggagaaac 420
ncttcnana tncggcaatn cttccgagga aaagcatt 458

<210> 11617
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-D3

<400> 11617

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cggagtgaacn ctctgagtc tgatgaagag agatttatca cagacgcaga gagagatgg 120
tctggctccg ttcttggtt tcagctcact cctcctggtg atcaacaaac agttagcact 180
agcacaggag aaattacaca tcatgaagag aagaaagagg ctattgatca aaattgtaat 240
ggctgacttt ggcgtacctg gaaatagagc tggtgaagaa ggagctgcaa aggttgggat 300
tccgaagtgg aaaaagctga agttgtcaat aacctgttt tcgttacatc cgangcggct 360
ccttactcga aaacaggagg attaggagat gtttgtggtt ctttgccgat agctttagct 420
ggctcgtgggc atcgtgttat ggtcatttct cctcgttact taaatggaac tgctgcaaga 480
caagaactat 490

<210> 11618
<211> 146
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-D4

<400> 11618

tngcagatcc tgatattcaa attgatntgt gacgatacca acatattcaa atggaccgnt 60

cttatcaaag gaccttcgga gactccttac gaaggcgggtg tttttcangc ttgctttttc 120

tgttcttgaa accttatnct ttgcaa 146

<210> 11619

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-D6

<400> 11619

gatttcgaga tccaactaac tctgctcctt atctcagctt gttgaatttg cgaagtatgg 60

gagacgctag agacaacgaa gcctacgagg aggagctctt ggactatgaa gaagaagacg 120

agaaggtccc agattctgga aacaaagtta acggcgaagc tgtgaaaaaa gggtagctgg 180

gaatacacag ttctggattc agagacttcc ttttgaaacc ggagcttctc agagctattg 240

ttgactcagg atttgaacat ccatctgaag tgcaacacga atgtatccct caagctatct 300

tgggtatgga tggtatctgc caagcaaagt ctgggatggg gaagactgct gtgtttgtcc 360

tgtctactcc tacaacanat tgaaccaatc cnc 393

<210> 11620

<211> 79

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-D8

<400> 11620

cngcattttc aacacttgag ctatggngtt ggagtggaat ctttgttgtg tcgtntgttg 60

gtgctctgtt ttaccctaa 79

<210> 11621
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-D9

<400> 11621

ctctttacga tatctgtttc cgtaccttga agcttgctaa tcttacattt ggtgacctta 60
accatctcat ctcagctaca atgagtgggtg ttacatgctg tcttcgggtc cctgggtcaac 120
taaactctga ccttagaaaa cttgctgtga accttattcc tttcccacga ctccacttct 180
tcatggttgg ttttgcacct ttgacatcaa gaggatctca acaatacagt gccttgagtg 240
tccctgagct aactcaacag atgtgggatg ccaaaaacat gatgtgtgca gctgacctc 300
gtcatggtcg ttacttgaca gcttctgctg tcttccgtgg aaagatgaag taccaaagag 360
gttgatgaac agatgaagga acgtccagaa anaaa 395

<210> 11622
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-E12

<400> 11622

antnncgcn ccaggtanag gtcanagant ncccgggncg acccaagcgt cngctcaatc 60
tcaattgttt caggagcttc gtaaaaatgt ctgcttcagc gactcaaacg gccggagaag 120
tttcaatggg gatcaagcct ccttcacacc ctacttacga tttgaaagct gttatcaaac 180
tagccctagc tgaagatgct ggtcatcacg gagatgtaac gtgtatggct acgataccgt 240
ttgatatgga agtgggaagct tatttcttgg ccaaggaaga tggattgtt gctggagttg 300
ctcttgctga catgattttt gaacatgttg atccctcctt gaaggttgaa tggatgcgaa 360
aggatggaga attatgttca naaagggntt gangtttggg ggaaatnncc aggnaangca 420
canaaanttg ttngnggcgg naaagga 447

<210> 11623
<211> 492

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-E2

 <400> 11623

 ntngngnaac ttcnacnctn ctcgnggccg gtccannnan taacgggtcg acncacgcgt 60
 ccgnccacgc gtccgcaaaa tacctttaat tttatttgat tccataccct aatttttgta 120
 tattccatgt caatgaacgt ttcaggagaa atgggtcaaa agttttggga gaatcaagaa 180
 gatcgagcga tgggtgaatc caccataggc tctgaagctt ggcacttttt catctcaaca 240
 gcttcagctt ccaacactgc cttgtccaag cttgtctcac caccaagtga ttccaatctc 300
 caacaagggg tacgtcacgt tgttgaagga tctgattggg attatgctct tttctggcta 360
 gcgtccaacg ttaatagctc tgatggttgt gtcctgatct ggggagatgg tcattgccgt 420
 gtcaaaaagg gtgcttcaag gnaagattac tcctcagcaa agatgaagat naaaaagacg 480
 tttgcctccg ca 492

<210> 11624
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-E4

 <400> 11624

 gntngngnaa ctgtntacct tggncgggcc cgttcaaaa attaacgggt cnacncncgc 60
 gtccgnttct cantttangg gattgttttt ttaacaaatt tttgccttgc cataagcaat 120
 acanccatgg caagggattc tccncngttg ttcncattag cctttgggtt tagccctcgg 180
 gctcagtgtt cctttccgtt tccggtcacg ctctcccgt gacaccgaag aaaatcagca 240
 tgtcaaaaaa cagtatccga actccagacc ttacctttta ccgaaatcac tgagatccta 300
 aaccgaaaag agcgggtctgc cccgaaaacc cctgagttca aggcaatgtt cacaatgtgc 360
 aaaggctacg tgacatacct cgagagcctc tacaagtttg agaatcccat tgtagatgtt 420
 ttaggaattg ccaagaccaa gatacacct gatgaacaaa ggcaattcct tgctgcgcaa 480
 agctaagtg tgggcnngta aatt 504

<210> 11625
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-107-Q1-E1-E5

<400> 11625

gaccacgcgt ccggagaaac gaggcaagag gcaggtcattg atcaggcctt cctccaaagt 60
 gattatcaag tttctgattg tcatgcagaa gcacgggttac attggtgagt ttgagtatgt 120
 cgatgaccac agatctggca agatcgtcgt tgaattgaac ggaagggttga acaagtgtgg 180
 tgttatcagc ccacgttttg atgttggtgt caaggaaatt gaagggttga ctgcccgttt 240
 gctcccttct agacagtttg gttacatcgt gctgactaca tctgctggca ttatggacca 300
 tgaagaagct agaaggaaga atgttgagg caaggttctc ggcttcttct attgaagttt 360
 tattttatgg ggaaacagat tttcattgag ttatttttaa cttttgtcct ccattttccc 420
 ct 422

<210> 11626
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-107-Q1-E1-E6

<400> 11626

aaagacaaaa atatataaa aaaagaaaaa aaaagaaaaa aaaataattg tcttgctctg 60
 ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct 120
 ggtgtttatg gttgcatcaa gtgtggttta tgaagtgcga gggactttct tgttaaagct 180
 ttacttgagg aggaagtttc ccagacgttg tatcgacttt gccccttatg ctggcaaagg 240
 tatgttgatg ctctgagca accttgaagg tggatgtccc gcaactagag agttcaaaca 300
 attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcac 360
 gaaaaacatc gatgtggaga tgaatgggag atgtgaattg ctttccaagg ctatgtctg 419

<210> 11627
 <211> 489

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-E7

 <400> 11627

 ggngngcaac tctacttccn ncgngtacgt ncanatcanc ncttcccggg tcnaccacg 60
 cntccgaacc gtcgttgtat tcgtcttccg cctcctctcc catcggtttt gaacagcttg 120
 gcagaagaag tgaaacttga gagagtaatg gagaacttgg aagatctgaa aattcnggct 180
 gagcactggt cgcatacangg aattgaatat cttcagaaga taccaccgan tcagctgtat 240
 gccgccattg gtgttttgtt gtttacaacc atcttgetct tectatccat tcgcttggtc 300
 agacgtanca gatccaacac tgtactcctt tctgggctga ccggaagtgg aaagactgtg 360
 ctcttttacc aactccgaga tggatcgctg catcagggca ctgtaacatc aatgggaacc 420
 aaatgaaggc acttttgttc ttcanagtga aaatactaag aaaggaaann atcaagcctg 480
 ttcactcttg 489

<210> 11628
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-107-Q1-E1-E8

 <400> 11628

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 cccttttgtg tggttcatct ctcatgtctt ttcttctgct ataacgctct tctccatcac 120
 cgtataatcg agtttgcatt gtctccgacg aagagaagct gacacttctg gtttcgtcaa 180
 tttctactgg gataaagctc tctactacct ttttgctcag agaaaatggg ttgattttcg 240
 aggatgataa aggcttcagg ttgtttaga ggtgtttttg ccagccttgg tgctggcat 300
 ggattttatc tgactatcgt atgtgccttt gatgaaacta aataatgcc cggggagagt 360
 tagctatggg ctcttttagag actgtttgtt ggcttaaggg ctgcttggtg taaccg 416

<210> 11629
 <211> 456
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-E9

<400> 11629

aactcgccgc gntcggnaaa ggtctcgaan tcncggcccg acccanncgt caaaaagtag 60
antaataact cttaaacaca caaagtttct ttatttttta gttacatccc taattctaga 120
ccagaacatg gatttgatct atttcttggg tatgtattct tgatcaggaa aagggatttg 180
atcatcaaga ttagccttct ctctctctct ctagatatct ttcttgaatt tagaaatctt 240
tatttaatta tttggtgatg tcatatatag gatcaatgga ggaaggtggg agtagtcacg 300
acgcagagag tagcaagaaa ctagggagag ggaaaataga gataaagagg atagagaaca 360
caacaaatcg tcangttact ttctgcaaac gacgcantgg tcctcnaag aanagcctta 420
atgaactcnc tgtnctgggtg ttaaggccga ngttng 456

<210> 11630

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-F1

<400> 11630

ggaaaatgat actggaagtt acacgaatgt gtcttgtgat gactctgatg aaggttttat 60
gagtttggac aagggtatag atgctagtag attggatcat agtgtattgg ggtctaaagt 120
gaaggctaac atcaaagaga ctggagagga tactgatttt catctgcggg ataaaaatga 180
tgctgatatg tactctgatg tttcttgtga tgactctaata gatgaaagca gcaacgaagt 240
tagatctaca ggctataagt cgacgagaca acacaaacaa gcttatgata aaatcaaact 300
acatttggaa agctgaacan gccaaagatt acaaagaaag cctgcaaaac cacgcaagat 360
gcagagcaca atggctattc gctatctcgg ttttaagaaca 400

<210> 11631

<211> 383

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-F11

<400> 11631

aanaaangcc gtttgggatt tcttttacac gaacacattc ttccgatctt tcttgttttt 60
aacttaccgg tantaacgaa gatatgcaga ggtttttctc cgccagatcg attctcggtt 120
acgccgtcaa gacgcggagg aggtctttct cntctcggtc ttcgtctctc ctatncgacg 180
aactcagtt acagtttaaa gaaagtgtat ccacagtttg cgcangataa nancgncct 240
catgcagaac ganttgataa aactaattca ttccaaagg atgtaaactt atggaagcta 300
atgggtgaag tttaatctcc atggaatcac tgcgccagag gaatatggag ggctaggtct 360
tggtnccttn gcantgngtt gcc 383

<210> 11632
<211> 350
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-F8

<400> 11632

aagaaaaaaa actaataann caaaatcaat anaaagagaa taaaaaatgg tgggttctca 60
caaagcaagc ggagtgcctt ttgtgctact agtgggttatg gccaccacaa tancaaacgg 120
gacaccggtt gtcgataaag caaaaaatgc agctacagca gttgaagata cagcaaaaaa 180
tgcagctaca gcagttggcg gtgcagctgc atcagttggt gctaaagtat caggtgccan 240
accaggcgca gcagttgatg ttaaancatc aggangccaa aggagananc aaanctgatg 300
atagntgngg catttgcngc tgcattggga aagaagcttg tgcagcangg 350

<210> 11633
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-D10

<400> 11633

caaatccatt aagagaccct cccgtgcccg gaaagcaaca atctgtcatc tccttcacca 60

agaaaaacat caaaggactg aatattcccg aaggcgacgg tttcccaaca aagcttttct 120
 tcaatggaga agaatgtgcg cttccaaaac atttccctaa gaagagctca gggcatagac 180
 gcggtatcag tgtctcaatg tcctttgttt tcgcaacaat cgcggctttt gcactaatga 240
 tgattaatta ctgaggagat aactatactt accattcttg atcagttttt ttgatcttca 300
 aattcttaag attggtgttt tgatgatgtt gccgaacana nggaaggtn aaaaggagca 360
 gatggttata tgattgatct aagttgggaa aaata 395

<210> 11634
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-A2

 <400> 11634

gtttccagtc cagaagaaat ttctcaggca attaatatcc caagcccagt tggcactgct 60
 ctgtgtatgg ctgcttctat aaggaaagat catgaaaagg aaggtagaga gctgggtcaa 120
 gatattgctt gcagctgggg cagatccgac tgcgcaagat gctcagcacg ggcgaacagc 180
 gttgcatact gctgctatgg ctaacaatgt ggaacttggt agagtcattc tagatgctgg 240
 tgtgaatgcg aacatccgca atgttcacaa tacaattcct cttcatatgg ctttggccag 300
 aggcgcaaac tcctgtgtta gcctacttct gggagtcgtg ttcaaactgc aatatacang 360
 gatgatgaaa ggagataaac gcatttcata taacaacaag atgcagcgaa natgatacnt 420
 gaaaaacc 428

<210> 11635
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-A3

 <400> 11635

gannccgta acancaggaa aatttgcttt gactcgcaca catcaaggtt actcatannc 60
 cagggtgtg aaattgagct tgtgatgtcg catagtangt cccatttcag tnataacaat 120

cagtctgcat gaaaaattaa gctactgttt tgatacgatt gccaacgtga gaggtagaaa 180
 ctaagatgtg tgtctacatt aaaacataac aaattnaaaa cgggtctacg caggtccaaa 240
 gtatcantaa cctatcttca ttgggttccc catgatatcc acatctcaga ttaggacatt 300
 accactttgt gttgcaactt tgcnttgatg catactccat gcatgtttta ttgattttt 360
 cagtcacctg ctgcaacccc ttgtggattg tactccgaca cttggaagaa tactcnaaaa 420
 aa 422

<210> 11636
 <211> 494
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-A4
 <400> 11636

nnnnngnaan tgtntacgct tgnncggtnc cgggtccanaa attnacgggt cgacccacgc 60
 gtccgnngga cgcgtgggggt cgaacttgat atgcgttcca gcaatcttcg gaagctatgg 120
 gaaggaacta aacaacttag aaatctcaag tggatggatt tgagttattc tagttatctg 180
 aaagagcttc ccaatctttc aactgcaact aatctcgaag aattaaagct tagaaattgc 240
 tcaagtttag tggagctccc ctctcttatt gaaaaactca cgagtctcca aatattagat 300
 cttgaaaatt gttcgagtct tgagaagctc cccgctatcg agaatgagac taagctccgt 360
 gaattgaagc tccaaaattg ctcaagtcta ataagagctc cctctttcta ttgggaactg 420
 ccacaaatct gaagcaattg aatattagcg gatgctcaaa gtctcgtgaa aactccccat 480
 cctcaattgg ggga 494

<210> 11637
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-107-Q1-E1-A6
 <400> 11637

aaacaaagtt ttgttcttgt cttcttcaca agagaagaga tatgtctctc ttactctgtt 60

tttcttcttt ctctcaataa accagcagat acggcgacaa gggcatctga ccagtagcga 120
 agggttggag gaaatggctc gatatcttct tctgggtctt caggcactcc ttcaagatct 180
 ctcccgctcc acacatcggt tctagttgca catttggaat ggacagcata atgacattct 240
 ttattacaag aatattgccc gtagttgatg tcaacggttt ggcgacaaac tccgcaagag 300
 aaatcaccaa gaaggaaggg aggatgtgag agagagacga tgagagtgtc gggatgatctg 360
 aatgacacga ggtaaataga tacatgatct gtggaccatg tggctgcaag ggaaaca 417

<210> 11638
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-107-Q1-E1-A8
 <400> 11638

ggcttcttcg caacgttctc tctcaaactc gcagagtaac agattcgata atgggaggag 60
 gatttagagt tttgcatttg gtgaggccat tcttggcttt tcttccagaa gtgcaaagtg 120
 ctgacaggaa gattccattt agagagaaag tgatctacac tgtcatctcc ctcttcattt 180
 tccttgtttg tagtcagctt cctctctatg ggatccattc taccaccggt gctgatccgt 240
 tctattggat gcgtgtcatt ctgcacatga atcgtggaac ggtgatggag cttgggtatta 300
 ctctatttgt cacatctgga ttagtgatgc aactcttagc aggggtcaaag attattgagg 360
 ttgacaacaa tgttcgtgag gatcgtgctc ctcttgaatg ggtgctcaaa agcttcttgg 420
 g 421

<210> 11639
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-B1
 <400> 11639

taacttcgga cgcgnnnnccn ccatagttat aggggtccacg cacgcgtccg aacacgnatc 60
 cggagaaaaac taaagaagct agaagatgga gaaaagtaat gatcatgaca aggctagcca 120
 cggcggctcc ggtggtggtg ccacggagaa gtgggaggag actagcctcg gaatccgaac 180

tgccgagaca atgctccggt tagctccggt gggcctttgt gttgcancac ttgttgtcat 240
gcttaaggac tctganacta atgagttcgg ttcaatttct tagtccaatc tcacagcctt 300
taagtacttg gtgcacgcaa atggaatatg tgcattgtac tctcttctat cagcancat 360
tgcangcgat gctcgtttct tcttcgacaa tgcctccgtg tttggacctt cttttgtctc 420
gaacagcttc tgaccnacct ggttcttgcg gctggagctg tatcaagcng aangnt 476

<210> 11640
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-B10

<400> 11640

agtttccgtg ctctattacc gatgggaacc aaagtaaaat gtctttcaga tgctgggttt 60
tttctcaaca caagagacgt ctcaggagtt caatacatta agnacatact tcgaagatgt 120
tgttactctt catggatcag caaagaactt gccgaggtca tgcacatcaa gattaactcc 180
tgcaatgtgt ttctttccgc aatatgtggc tcgccagatt agaactcctc tgttcattct 240
taatgccgct tatgactctt ggcagataaa gaacattttg gctccgcgag cagctgatcc 300
ttacggaaaa tggcaaagtt gtcaactaga catcaaagaa ttgcaaccaa agtcagatta 360
aaagttatgc aggatttcag gtttagagttc ttgagt 396

<210> 11641
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-B11

<400> 11641

gtggngngng gtaactttac gctcccngcg gncaggcana ggtcanaggg tncccgggcc 60
gaccaagcg tcagcaagtg ttcaggacca gggtcacaca aagccaagag agtgccattc 120
acacaagaca tcgacgacaa agaagctaac tgtttcctat ccctcggcta catccaagga 180
tccaagtggc ttctcccacc acccgctttg taaattcttt aatatcaacc tattaaaatt 240

aaaattaaaa cgtaaaacta aaattaaaac ttctacttac atcctttttt caccgaaata 300
 tgtttatcgg tgtatattat ttttgcgat attttctttc aatttccaag aaatcctctc 360
 ttctttaaat atcatggagg agttgagatt tatgtaattt tggtttcatt ataataaaat 420
 gttgtttccg ttcaagannn gnnngnnnnn tnctngncng gntttg 466

<210> 11642
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-B6

<400> 11642
 cccttnnaan nctctaaagt gacgtngtat taaanaagag cgtcttcata aacgcccttc 60
 gtctttcttc ctgcaaactc attttctaga tctttctttc ttccgcgaaa cgacaatgag 120
 agagtgnngn tcgatncaca ttggtcaggc tggattcag gtcngaaatg cttgctggga 180
 gctttactgt cttgaacatg gcattcagcc tgatggccag atgcctggtg acaagantgt 240
 tgggtggaggt gatgatgctt tcaanacctt cttcagtgan actgggtgna ggtaagcacg 300
 tcgcacgtgg tgtcnttgtt gatcttgagc caactgtgat ngacngggtc aggactggta 360
 cttacnttc 369

<210> 11643
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-107-Q1-E1-B9

<400> 11643
 attggataac agttattcgt ctgggttcag tgaagatgga gcagaacgag ttcattggagg 60
 caataatgta cgttaatggt gttcgtagag ttttgccctga tggattagct cacatgacgc 120
 ttctcgaata tctcagagat ttaggattga cccgggacaaa gctcgggatgc ggcgaagggtg 180
 gttgtgggtc ttgcaccgtg atggtgtcta gttatgaccg agagtcaaag acatgtgtgc 240
 attatgctgt caacgcttgc ctagcacctc tctactctgt agaagggatg catgtaatat 300

ccattgaagg agttgggtcat cggaaacttg gcttgcaccc tcttcaggaa gtcattgggc 360
atcttcgcat ggttcenaat gtgggttttg ta 392

<210> 11644
<211> 241
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-C11

<400> 11644

ttggttgctt cntctctgat cttctcttct tttttttttt tntgnaagaa tcaatttccc 60
tcncaaata gaaatcnaaa aatgggaaca acgactntgg ttctctccaa gatcctgaac 120
tttcttacta acaacagtgc tgattggatc cagtgtgatg cagtgtagta gtgtaaccna 180
cgataagaaa gctatcgtca tcaatggcca ccgtanaatc ctctctcng gntctantca 240
g 241

<210> 11645
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-107-Q1-E1-C12

<400> 11645

cgctccgcca cgcgtccgta tatttgaagc tactaaaatc ccatgccaga gcaatgagtt 60
tggtcttgag cttctcagag gtgttcgcca gcattttgat aggtttatca aggacttaaa 120
gcctggtgat cttgaaaaat ctgagcttgg attagctcac agctacagca gagccaaggt 180
gaagttcaat gttaaccgag tggataacat gggtattcaa gctatcttca tgcttgacac 240
gcttgataag gatataatt cctttgccat gagagtcagg gaatgggtatt cgtggcactt 300
ccccgaacta agtgaagata gtcaatggac aaactatctt acgcccgttg ttcaaaagat 360
gattgatgac aagtcaaagt tgactgaaag atta 394

<210> 11646
<211> 417
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-C4

<400> 11646

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tggtgggtga ttttaagaaga tgggtcaaga tccaagtact ccgacannta tttcgatgat 120
actttcgaat acaggcacgt tgtacttctt ccggaagttg ctaagctttt acctaagaat 180
cgtattcttt cggaaagtga atggagagcc atcggagtgc agcaaagtcg tggatggggt 240
cattacgcga ttcatcgctc tgagccacat atcatgctct ttaggaggnc tcttaactaa 300
cagcaagagc accaagctca gattgctaaa gtagaagaat tatgcaaat tctccctaata 360
ctctgtttat gtctctcgta aacgaagggt ttaaaatacn actctgatgt tttgttc 417

<210> 11647

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-107-Q1-E1-C9

<400> 11647

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gcgtcngccg aagtagagac gttgggtcgg gtcagacatg gaaacatcgt gaaacttctt 120
atgtgctgca acggcgagga gtttcggttc ttagtgtagc agttcatgga aaacggcagc 180
ttaggtgacg ttttgcattc ggagaaagaa catcgtgccg tttctccact tgattggacg 240
acacgatttt cgatcgcggt tgggtgctgct caaggacttt cttatctaca tcatgactct 300
gttccgccta ttgttcaccg tgacgtcaaa agcaataata tattgttgga ccatgagatg 360
aagccacgtg tcgccgattt cggtttagct aaaccgttga agagagaaga caatgatggg 420
tgtctccgat gtttcaatgt ccttggtgtg cctggttcta cggcta 466

<210> 11648

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-D1

<400> 11648

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acggtgtatg aagacatatg caatcgcttg gattgatcca gagcgtaaTt tgacgactcg 180
ggtcgacaat acggggcgga caagccctac atggaacgac aagtttTgtg ttcgtctaga 240
tgaggaagca ctctacgatg ccacatcaat agttgttata gagatctatg cattgcattg 300
gttcaaagac attcatgttg gaacggTaca agccttaata agtgaccttg taagcccttc 360
ttcggctatg agattcgTta ccctagaggt tcttcgtgcc tcgggcccgc cccacgggct 420
cctaaacatt gccgtggggg cttatcgata actcaagnca aaacatgcct c 471
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<210> 11649
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-107-Q1-E1-A12

<400> 11649

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ctaattgatt gatcttatta agaaatcgat gtcttactcc atgacttttt tttaggaaaa 60
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aatagaaccc atcattgatt tgagatattg atagggtgaa taccagTct actcaatgct 180
aggtagaatg agtataagga actcaaaaat gatcttttTg tcctatgaac cttaaggTgt 240
atcaagTttc atgtttgatt ttttaatcag gatgttagag actatattta acttaagTtg 300
atctagacca aaagcaaacc tacgtcaaga gaaaccctcc tttgaacact ttggnagTtc 360
tncggtattg tattanaatt 380
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<210> 11650
<211> 317
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-G6

<400> 11650

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ggaagatcca ttaacttctt ncgngngtc ngacctcgga actgagacgt tcaaagagaa 120

gcatagtacg ctaaaggagg cgggtgaagga agcttttatg tcttccaaag cgaatccgat 180

agagaacatc anattcatcg atgctctatg tcgccttggt gtctcctatc actttgagaa 240

ngatatngta gaacaattgg ntaagtcatt tgnttgctt gattntcctc agatgggtna 300

gacangaggg atgcgat 317

<210> 11651

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-G8

<400> 11651

gtningtantt ccatchagnt cgnnccgnac anatngcnch attcgcgggc cgacccacgc 60

ntcnaagaga tctctcccc aatcatgcct gcgatacaat ccccatcggg gaagatcttg 120

cagcttgaga tggagaattt caaatcttac aagggtcatc aattgggttg tcctttcaag 180

gatttcactg ctattattgg tccaacgggt tctggcaaat ctaacctaag ggacgctatt 240

agcttcgtcc tcggcggtcg taccgggtcaa ctctcggtgt ctcagcttaa ggatcttacc 300

tacgcttttg atgatcgtga caaggaacag agagggtcgt aagcttttgt tcgactcggt 360

tatcagatgg acgatggagt agagcttcgt ttactcgtt ctattactag cgctgggtgg 420

agtgaagtac cgtattgata ataagggtgt gaatttggtt gaatncaatg ggaagctacg 480

attccctggg aaaacttgta aagg 504

<210> 11652

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-G9

<400> 11652

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 cttcnggtgc tcaaaatcac cgctgacnc ganaancgca ctaatctcca gccttccggt 120
 ggctgcnacg attccaactt cccttacctc ttcaagttga aatgtgaaan atgtggagag 180
 gtgactccna aagaaacatg tgtgactttg aatgagactt ttactcctcc gggaggtgaag 240
 ggtacttgtc atcttgttca gaagtgtgaag ttctgtggaa gggaanggaa ngtgactatg 300
 attccggggca aaggtcgacc tttaactctg gaanattctg angtggata acatgccctt 360
 cttatgggtgt ntgactgtcn tggctatgaa nccattgaat tccggatttg gtggaaattg 420
 naaagctcaa gctgaatctg naaccaaatt tgatgag 457

<210> 11653
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-H1

<400> 11653
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 caggctctgg ttaaaggatc aggtgcaccg atcagacatg gttcagtcca cgттаagtтc 120
 cctgagccag acaccgaagg caacaagatc ttcgagacct tagaaaatga gttccagaag 180
 cttggaaatg accagaagat ctgagtgatc tacaaccctt ataacacgaa ttgcccataa 240
 gaaaccggaa tttgtctctg gttgatganc antatttaag ataagaatca atcaccttta 300
 cntgtattac tagtttcgct tgcacagct cgatgcaggt tttgtttaaa aagaagatgg 360
 aacacaattt cctcggaatg gatnntttga tctagnacca ttatatatat ngaactccaa 420
 aaaaaaaaaa aaaggngggc ccnccaaaag ggttcnacct tntttgccc 469

<210> 11654
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-H12
 <400> 11654

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 nnnngngagc acttcgacgt tctgactaaa tccggtgaga agaccggtgt gtccaaaccc 120
 aggggagagg ttcacagaga tggagattac catcgtgctg ttcattgtctg gatttttgtg 180
 gagactactc aacagctact tctccaactt cgatctgatg ataaagattc ttggcctggt 240
 caatgggaca tctctagtgc tggccatata tcagctggtg atacatcgt tctatctgca 300
 cagcgggagc ttgaggaaga gcttggcgta aaactcccaa aggatgcatt tgaaaagatc 360
 ttccgttttt ctgcangaat gtgtcacaaa cgatggcaaa ttcataaaat aatgagttca 420
 atgatgtgta tcttgttact attctgcac caatcc 456

<210> 11655
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-H2
 <400> 11655

gnnnngnant tcnatcnagn acgnnccagg ncacnagacn cnngggncga cccangcctc 60
 tagaganatt cttncnaccg gagctaaatc gctattaggg ctttcgatgg cttctccaaa 120
 agggattttc gatagcaatt caatgagtaa ttcaagatct gttgttgttg ttcgtgcttg 180
 tgtttctatg gatggatctc aaactctgag tcataacaaa aatggatcta ttcctgaggt 240
 taaatccatt aacggtcaca cgggacaaaa gcaaggacct ttgtctacgg tcggaaaactc 300
 gacaaatata aagtggcatg aatgttctgt tgagaaagtt gatagacaga gattgcttga 360
 tcagaaagga tgtgtgattt gggtcaccgg tcttagtggt tcagggaaga gtactttggc 420
 ttgtgctttg aatcaaatgt tgtatcaaaa agggaaacct tggtaaaatc ctgaagggtg 480
 aataatgtaa ggcattggctt aac 503

<210> 11656
 <211> 72
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-H3

<400> 11656

tgaggtatct ctctactttg tacagttgat caaggantca nagctatcta gggacttnag 60
tcacaagata ca 72

<210> 11657

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-H4

<400> 11657

ngttcnttgg cccgntcngt accanatcat acacgggncg gncacgcgt ccanccaag 60
cgtccgctct gccaatctca tcttcaacct ctctctaact ctcgttttcg attctacaag 120
tggctgacaa gaagattagg atcggaatna acggattcgg aagaattggt cgtttggttg 180
ctagagttgt tctccatagg gacnatgttg agctcgtcgn tgtcaacgac cccttcatca 240
ctactgagta catgatctac atgttcancg tactacagtg ttcactgtca atggaaanac 300
aatgaactca agatcaagga tgagaagacc cttctcttcg gtgagaaacc agtcactgtt 360
ttcggnatca tgaaccnga ngatatcca tgggccgagg ctgnaaactg actacattgt 420
tgaatctact ggtgtcctca ctganaaaga caaaggntgc aggnacnt 469

<210> 11658

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-H6

<400> 11658

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cnagagaaca tagtttcntc ttgcttttga gaaaaaataa ttatatattt ttatatagga 120
aagggttaat ttattaataa aaaaaaataa aaagaagcan aaaagagata atgcagggtg 180
gtaggctttt gacggtgttg gtgtgcctcg cctccacggt ggcgttggtg agcgccggtg 240
acccttactt ctactacag tggaacgtaa cctacggaac cgccgcgcct ctcggaattc 300

ctcaacaggt gattctcatc aangacagt tccctgggtcc taacctaaac tcaacctcca 360
acaacaatgt cgtcatcaat gtcttcaaca acctcgacga gcctttcctc ttgacctgga 420
gtggactcca acacaggaan aactcatggc aagatgggtgt gactgggaac tcatnccaat 480
cccaacaagg aacaatntna 500

<210> 11659
<211> 213
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-A10

<400> 11659

caagaagaag gnttaancca agaacgtctt ccanaactac gcntataaca tgaggaacac 60
catccaagac gagaagattg gtgagaanct cccgggggtgc agacacagaa gaagatctag 120
gattctattg agcacgcgat tcanatggct cnaggggtaa ccaatttgct gaaaggggtga 180
tgantttcaa agacanagat ttaangaat tgg 213

<210> 11660
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-A11

<400> 11660

tcacgtgnc caggctccgt canagnatac gacgggncga ggcnccgctc nccccanacg 60
tccgggagca aacacggcaa ggtacctatc cacatgcgaa aactgtgtat ggattgaata 120
tccaaaggca ctcgctgcaa ggagatggta ctcaacacaa gccactcttc ctgatggaac 180
tttcatcggt gttggaggcc gtgacgtctt caactacgag tatatccttc cggaaggaca 240
aaacaacaag aaactctatg actcacaact tcttagacaa acagatgatc cagaagaaaa 300
caatctttac ccttttggtt ggcttaacac tgatggtaac ctcttcattt tcgccaacaa 360
ccgatncatt cttcttaacc cganaacana caaagttgct caaaagagtt ccctcaaact 420
tcccgggtgg tgcccgtaa ctaaccctgg gttccgcctc c 461

<210> 11661
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-A12

<400> 11661

tcttctttt gctttcgcat cttcttcttc gtcaacgaat cctcggactc tccggcgatg 60
ccccgtcgat taaacgacgg cgagcctggc cgttttaccg ccaccgttct tcttttaatc 120
ggtttaatct cttgtgttat cgtctacgct gttttctctt ctgtcctccg tccatcccaa 180
gatactacac tcgttgattc cgcgggttcga ttcaaagagg agccgcgaga tcacgatgca 240
actgaagacg gtgaagggtgg gtgttgccgt ggaattgata atctggagct ttgggggtccg 300
gcggtgaagt ggggcacgga ttttaagttt aattcgtccg aaggatgttg taaaacttgt 360
aaagttaagg tgtattggna acaatggacc ttgctt 396

<210> 11662
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-106-Q1-E1-A3

<400> 11662

nnnnnnngna annttnnntt gccnngnacg gtcaagggtca tnnagnccta gncacncgtc 60
cncgaaatct cgacactaag aattttctctg gggtttctct cctcaaactc gatctgattc 120
ttttgttcta gggttttcac tcaattggat ctttctcaat ctctctctc tcaatttgat 180
tattttgttc tccgtgatgg ttgctggaaa ggggaaatca agtagaggcc atggtgggag 240
aaccgaanga ggtgagagaa ctggtgggag aaccggagga ggtgagagaa ccgaatgagg 300
atcgatcatc catgcctcca acccttattc ttcgaaacgc actaattcag tgactcaatc 360
atctagagca acgcttcctt ctcaagtacc cagcgaggtc acaaacaccg actcctaatt 420
ccttgccatc aacggcaagt cgctcaacaa catcctctta attacaacag ccgct 475

<210> 11663
 <211> 81
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-A7

<400> 11663

agatgcanca tctcttttca cttagtcaat caagattatt cgangacatg gatttgtgtc 60
 attaattcag anttataatnt a 81

<210> 11664
 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-B1

<400> 11664

gnnnnnngna nctgttactc gccacgntca ggtnaaggte anagcgggnc ganccacgcg 60
 tccggtgaaa cgcttataaa aataaaccgg tttaatttca ccggtttacc ttccgccgta 120
 gatatcaagc cgcaatgtac attctcgaca ccggagctcg attctccgcc gtcagattct 180
 caccggtatt caatcctcct ccaacatctc tccgtagacg atacttcacg gtaagagcta 240
 atcttccatt cccaaagcat caagctaagt atcataaaga gcttgaggte gccattgatg 300
 ctggtgatcg agcttgctgt ctctgtgttg atgtcaaaag atctcttttt tcttctaaag 360
 agaagattgt tgagaagaat gatcaaactc cagttacaat tgcagatttt ggagttcaag 420
 cnttaatcaa gcntgggagc ctttcaaaat gttccctcaa taccattaag tggctgagga 480

<210> 11665
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-106-Q1-E1-B10

<400> 11665

gggccgannc angcctcnaa gtgnnaagnc gncttntata gacaccttat caaaatatct 60

tgatttttat ttacattatt aatttttttc ttgttttttc actaccggcc acgccattta 120
 aaaagtttgg tgactttatt ttactggttg ttttattatt gaataatatt tcttagttaa 180
 ttttgtcact actaatccgg taatcccaaa tctacttaag tatttatgta agattcantg 240
 ttttttttct tcttanaatc tgaagattcc anagttaaaa taanttttga acttaanttt 300
 aggatcacag gaagaaaagg agtggggagg gtgtgcaa at aaaaaaagt gctagatgga 360
 atgtgacaca aaatcctaga taaagggntg angaagtcag tngacntggg gancttatan 420
 a 421

<210> 11666
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-G4
 <400> 11666

tttggnnaaa accacttcta ccagaaattt ttagcatggg gagtgaagtc aaccgtccac 60
 tagctgattt tccagcaa atctgggaag atccattaac ttctttctca aagtctgacc 120
 tcggaactga gacgttcaaa gagaagcata gtacgctaaa ggaggcgggtg aaggaagctt 180
 ttatgtcttc caaagcgaat ccgatagaga acatcaaatt catcgatgct ctatgtcgcc 240
 ttggtgtctc ctatcacttt gagaaagata tcgtagaaca attggataag tcatttgatt 300
 gtcttgattt tcctcagatg gtaagacaag agggatgcga tttgtacacg gttggaataa 360
 ttttccaagt tttcaagcaa tttcggtta aactttccgg cgaagtgttt gnagaagttc 420
 aagggcgnaa attgggaant t 441

<210> 11667
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-D9
 <400> 11667

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caagtangna tcgntctacg tttcaaagag cagcttctca catcgctgaa gctctcctct 120
 cactcatcca caacgaatca tcaccacgt taatcacgcc ggagaatctg attctccgaa 180
 tcgccgtta cagatccttc tccgaaacct cgccgtttct ccaattcgtt aacttcacag 240
 cgaatcaatc gattcttgag tcttgcaacg aatcaggggt tgatcggatc cacattatcg 300
 atttcgacgt tggatatgga ggacaatggt cgtctctaata gcaagaactc gcttcggag 360
 ttggaggaag aagaagaaac agagcatcgt ctctgaaatt aaaaagtctt ggctcctcaa 420
 ccttctanag tctccgacga gttcgagctt cgtttcacaa gaggaaaa 468

<210> 11668
 <211> 467
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-E1
 <400> 11668

aattctcng ngancancca ggnengcact gcacngggc cgnccacgc ntctanggag 60
 tttcangtta tacaccggag aaaccgtata cgccttcgca gacgcgtta cctacactaa 120
 attcgaccat cagctaatca aagcgccaag actcgtctct ctcagtctcg acgagaacca 180
 cccttgccga tcatcggagt gccaatcttt ggacgcgatc ggacctcact gcgagaacgc 240
 cggttgaggga ggatcggatt tcgaggttca tttgaatgta aagaacaccg gagacagagc 300
 gggaagccac acggtgtttc tgttcacgac gtcgccgcaa gtacacggat ctccgattaa 360
 gcaactacta agatttgaga agattcgtct gggaaagaat gaanaaacgg tgggtaagtt 420
 taacgtccan gtgtgttaag nttinnaatnt gggttaannn anacngg 467

<210> 11669
 <211> 345
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-E10
 <400> 11669

cnattcagac gatcaacana catttttatc ataatacataa tnagaaaaaa gtgttaaact 60

ttctcgtgag tttatatant ctgctanggg ngcngtttat aatggtttnt ggttgtttct 120
 tangtttctg tttaaatttc ggattcttcg atctggatcg ttgttgtag cttctcaaca 180
 tctaaaaaga tggattcttc ttantccttt gccttgggga canggtagtt ctattttgcc 240
 aggattcagt ttcaggaatg tagnggaaca gattttacgg tgagaagaac aacnacaatg 300
 gtttgtgtca aggttttgga tnagattggg gcncaaggan tttna 345

<210> 11670
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-E11
 <400> 11670

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 nttttgcttt tngctgctag agcttcaaga gttgagaacc aagatgctat tgatgctgct 120
 atggttggaa tgctcgtga tccaaaagag gcaagagctg gaatcagaga gattcacttc 180
 ctaccattca atccagttga taagcgaacc gctttgacgt ttatcgacag caacggaaac 240
 tggcaccgag taagcaaagg agctcccgag cagattcttg atctctgtaa cgcgagagct 300
 gatctgagga agagagtcca ctctacaatc gataagtacg ctgagcgtgg acttaggtca 360
 ttagctgttt caagacagac tgtaccaaga naaaacaaaa gnaaactctg gtagtccatg 420
 ggaatttggt ggtgtgttgc ctctgtttga tcctccaaga 460

<210> 11671
 <211> 91
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-E3
 <400> 11671

gataaatctt cgtgatgagc ttgaanagcg tgagangaga catttctcat caaaagacat 60
 gatcatanca tgatgataga gatngcagaa a 91

<210> 11672

<211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-F1

<400> 11672

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ctaggggttct taagcattgt aatcgatgaa ggctcaaaag ggaagctcga agaagaaagg 120
tacgaattct gggtttagtcg ctgtagcagt ggataacaat aaaggaagcc aacatgctct 180
caaatgggct gctgatcatc ttgtctctaa aggacaaacc attatcctcc tccatgttat 240
ccttaggtca tcctctgatt caggtgagat tactgcagag aaacataagc aagctgaaaa 300
tctttttgtg acatttcatt gctactgcag tcnaaaagag atacaatgcc ttgatgtcac 360
gcttnangat gacaacattg tcaantcccc tnggggaaaa attttccccg ggggtgnatt 420
gaaattntn ctnggggcc 439
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<210> 11673
 <211> 308
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-F2

<400> 11673

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ccaatctggg gaagacgctt tgattagggt gcgatgaana aattttgcan tatttttttg 120
acatanaaat tatatggata ttttatagat aagacggagt ccattcagga ttggagtta 180
taanctgaag agtgactcgt gaattgggta gtaattgttg tgtggattcg catttatgcg 240
agaatgtttt aataattatt cnanaagtaa taatatcant gaaattttga agttttattt 300
aaannant 308
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<210> 11674
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-F3

<400> 11674

caaancntct cagcacggtg agagattccg gtgataacgt cctccgatgg cgacaactca 60
accatgtctt atcggccaaa taatcgctgt tcctcaattt cacatcctct tcagccccag 120
aaatttctta aagccggagc tctcgaccaa caaacgcaca aatttctccg tatctatcgg 180
tctacgacat tccttcgctt cttctatata aacctgtaac cctaaagccc catctttaag 240
ctgtctgcga aattgcgcgc ctgttgatgg agctgatact agttcgagtg aggataagtg 300
ggattgggat tgggatcggt ggaaccgtca cttctccgag attgaagaag tcgagaacgt 360
tgtttcncct ctcaaagtct caacttnang atgcngttta aaaaanaaaa anttnganaa 420
accattcant ttgaaanagg c 441

<210> 11675
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-F4

<400> 11675

tcaccaacat cctaaaaccc ttttgatcaa aacatggctt ccatttcag aatcttacca 60
acagatggca gattaagtca atgcagaatc aacacctcgt gggttccttc tacaaccaga 120
actcaaactc acttagattt tcccaagtta gtttctgtta gtaactctgg gataagtttg 180
aggattcaga atagtaaacc tattagccct gtctttgctc ttgaagcaac ttctccagg 240
agggttgttt gcaaagctgc tgctggtgtg tcaggtgact tacctgagag tactcctaag 300
gaacttagtc agtatgagaa gattattgag cttttgacaa ccctttttcc actttgggtt 360
attttgggaa cacttggttg catcctcaaa ccaaccttgg gtaaaanggt tggaacaagt 420
ttccttaanc caagggcctg g 441

<210> 11676
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-F6

<400> 11676

aattcctcta gntcgtntcaa gtaccanaca cagaattcgc nggncgaccc acgcatccac 60
ccacgcgtcc ggggacgcgt ggggccaaag acaccatcca ctcttgctgc tggaggatca 120
aanacactct ttgctgccaa tctctctttt aacattgaaa gagcanatgt tgagaatttc 180
ttcaaanaag ctggtgaant tgttgatgtt anattctcta ccaacagaga cgatggttct 240
ttcangggat ttggccatgt tgagttcgca tcttctgaag aagcacagaa ggcgcttgaa 300
ttccatggta ggccattgct cggtcgtgag attcgtcttg atattgctca ggagagaggt 360
gagagaggcg agagaccgcg attcactcca natagcggca acttcanaan tgggtggtgat 420
ggtggtgatg aanannaaat tttccgtaan ggatttganc ctcaanttct aaggatntta 480
ccannacaat t 491

<210> 11677
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-F7

<400> 11677

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taatatcaag ttgtgctaaa agtggaaaag ttgatgcaat gttcgaggty ttccaccaga 120
tgtcaaattc tggagtggaa gccaatcttc acacatttgg tgcacttatt gatggctgtg 180
ctagagctgg acaagtagct aaggcatttg gtgcgtatgg aattttaagg tctaagaatg 240
ttaagccaga ccgggttgta ttcaatgccc tcactctctgc atgtggtcaa tcaggagctg 300
tcgaccgtgc ttttgatgtg ttagctgaaa tgaangctga gacgcaccct atagaccctg 360
atnatatcnc natnggtgca atnannaaan caatccgtna ancccnggac gggccaancg 420
accaaaaaaa ttttcc 436

<210> 11678
<211> 482
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-G1

<400> 11678

nganaaaatg gctgcttcat cttcctcttt cactctccgt aatcacaacc aacactttcg 60
tactcctccc ctctggaag aaaaggaacc cttggtcaac caaaaaaccc aaatttttca 120
agtttcccaa caaaaaatcc atcaaagaaa tcctaaactt tctttgggct cccaacaact 180
caactcaact caatccgtat atctccccc agtctccttc ctcttctctc aaaagggctt 240
aaatcttttg ccaaagcagg ttaacaagg gtcagggctg caccaagact tcacactaaa 300
gggatcaaaa cggaagccg gtgagcctca aaaagtataa agggaagcct gttgttctct 360
acttctaacc tgcanatgaa acccctgggt gcaacaanca agcttggtgct ttcanagaat 420
cctatgagaa antttaagaa ancttgtna aaagggcat tggnaattaat nggaaatnac 480
nc 482

<210> 11679

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-103-Q1-E1-G11

<400> 11679

aattctatnn gnnccggccca ngncnnaggt aacgcgggnc gacncangcc tctacncacc 60
ctcatctgan anaggattca agcccatcta ttgctgctgt tgtggcatct caggattggc 120
ctgaaatcac taaatatgct ggattagttt gcgctcaanc gcataggcag gagctcattc 180
aggatctggt caaagagtgg aaggatcctc agaaaggtgt ggtgactggt ggcatgataa 240
aggagtgtgt catagccttc cgtagatcaa ctgggcataa accactaagg atcatcttct 300
acagggatgg agtcagtgg ggacaathtt accaagtttt gctctatgaa cttgatgcca 360
tccgcaangc ctgtgcttcg ctggaagcaa gttatcaacc accaagtgac atttgtgggt 420
gtgcanaanc gtcacacac gaggtgttt gctcaaaa 458

<210> 11680

<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-G12

<400> 11680

gnnnnnggta attnnactnn nccgccangt cacagnaacg nggntcnann caagcctcaa 60
cagnnactng nngtaatatt cattctctct tttctctttc cattttgggt cccaccgacg 120
tcatcaatct ctaccggaga ctcccgccga ttctcacacc gttctttctt tctccttccg 180
attccggatt ccaatttcgt tccttttttg tttctctca aaaccctaa atttcttcc 240
tttcttcgat ctggattttt tgtgttcccc aaatttcaag actttgatct gattccttct 300
aagatttctc caaagcaaag atcttttttt tgttttttgg gatctctgta ttgttgatgg 360
gcacaactag ggtctgctcg gaggtttctt ctggatcttc gaaatcgctt aaccaatctc 420
tcaaaggtat cgacctctac cacagaaaca gtcaatgggt tcca 464

<210> 11681
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-G3

<400> 11681

actgatctcc aatggcgaaa accctagctc gctccacagc gtcacgcatc accaagcgct 60
taatctccac ctccggagcc accactcctt ccccttctta tctcctctcc cgtcgatcaa 120
ccccggtggt ctcccatgcc gtcggattca tctcttctt gaatcgtttc acaacgattc 180
gaactcgaat ggataggtcc ggtggatcgt actctctctt aaaatccggt tcgaatttca 240
gcgaccgagc acccactgag atggcgccgt tgtttcctgg ctgcgattat gagcattgggt 300
tgattgtaat ggacaaacct ggaggcgaaa acgctactaa gcagcaaattg attgattggt 360
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anggtncggg ngg 433

<210> 11682

<211> 249
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-D8

<400> 11682

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 caacagaagc cttacctttt cattacacgc atattgcttc ttcaaagttt ccttttagat 120
 aaattcttag tctgagtaac atctctttct tgtcttgggg gtttctctgt aantgcagct 180
 gaatcggatc ttgggcaatt tttaaattcc gantcaacga ntttctcanc taanggtttg 240
 attcctttt 249

<210> 11683
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-B8

<400> 11683

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 aaatcanang acagaactct agctttgatt aaatcaagca tggacattat tgtanccatt 180
 ggtctccttc agttagctcc aaagacgatt agtcctcntg tcaactggtgc tttcggggtt 240
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 gtncaaggg 309

<210> 11684
 <211> 372
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-C1

<400> 11684

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aacccccaaa tccaagctta tactaaatgg gtcattgataa catcacaaag ctctgggagtc 120
tactcgtaaa gctacacaaa ggtccttcaa gttggctttg tcttcattct cgaccaganc 180
gaancagnaa cggcggacga atcaagctcg tcagatccga cggttcttta caagtctacg 240
atcgccccgt antagtctca agagctaaca naagacttcc caaancacan aatctgtaga 300
tnagacttac tctacatcgg acaagaaaac cctgttctgt ctgaaaccga aacactttaa 360
ccaagnntcn aa 372

<210> 11685
<211> 545
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-C2
<400> 11685

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ttccctcaat cctccaaccg ggattgattc ctgtccaact ggttgaaatt cnggaaaaca 180
acaatgttgc aacgggttga acgaaactcc gttacgggcg ccctttccct ggaccggctc 240
ctatatgcaa aaggcaagca aaaggggtggg aagttacca aagggacggg agggccttgaa 300
gctgggtctc ctataagtgg gctgcaagcc actaagagcc ggccaaaaaa tgcgggggtcg 360
tgactaggta ctctcacagc ttccccaagc tggtttgtac tgatggtaaa gacgggactc 420
tcataagcac caagtttcta aaccatgtgg tgaccaccaa cccggagggc aagacttgac 480
cgttnaaaac cnggttactc cnaagnaact gatttaanaa ncancnantt tggtttgggc 540
tttgc 545

<210> 11686
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-C3
<400> 11686

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tagctgagga acaagagaag tgacaagggt gattgaaaag ttgaaggact cagatgggaa 180
gcagaagcgg agaacaagga aagcgaatgg cggaactgag caaaaatctt aaagaagggtg 240
agaggattct ggagcccaca cgtagacctg atggtactct ccggaaaccc attcggattc 300
gacctggata tactccagaa gatgaagttg tcaaatatca gtccaaangt tctctgatga 360
aaaaagngat tggctcacia agggcccaaa aggtntngaa ccctgttnaa nccnnaanc 420
naagnnntaa 430

<210> 11687
<211> 387
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-C5
<400> 11687

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ggatcatcaa tttggatatg gtgttgaagt tactgggtta tctccatctg ttactcataa 120
tgatcttate gatttcttct ctttctctgg tactatccaa gatattgata ttgtcaggtc 180
gggtgagcaa gcttgtactg cttatgtgat gtttaaggat tcttattctc aagaaactgc 240
tgttttactc actggcgcaa cgatattgga tcagcgtgtt tgtataactc gttggggaca 300
acatcacgaa gagttcgatt tctggaatgc gacttcncca agttttgaan aanaatnggn 360
ntcnnaanna tntggncaaa nnaancc 387

<210> 11688
<211> 467
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-C7
<400> 11688

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antgaacctt tanaagttaa atctgtttca tcaccggaaa gtttcactaa ctcttcttct 120
 ctctctcgga gtattgattc ccggcgttta gcaatggaag aaagtagaca actcgagacg 180
 tcgattgatc ggctgctgaa cgaagagaaa cagatgaggc tcgcagaaaa tgctgccgga 240
 actagaaaag cagctaccga gattcttaag ctttgtttcg aagctaagga ttggtaantt 300
 ctcaacgaat agattttgaa tcnctcgaag aaacgtggtc agcttaagca ggctgtacaa 360
 tccatgggtgc aacanncaat gcaagtatat tgatnagaca ctagacatag aaactcngat 420
 tgagcttatg naagactccn aanaatgtnn ctgccgggga agatata 467

<210> 11689
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-C9
 <400> 11689

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 caccagtaaa attgtttgta gctagacgca gtctttccaa attcttcagc tttcccaggt 120
 ctgcagatat attccctgat aaccagtttt ggtgaagctc taatgcagta aggttctgaa 180
 gattaaataa ttcaatggga aggcttcctg ttagctgggt atcgcttagc attagctttg 240
 tcagtgactt gcagggttttc agatcacgag ggatgtttcc tgataacttg tttgaaccaa 300
 gactcagaag tattancgtc cgaaaacctg caaaaantgg gcaggaattg ggaccagaca 360
 gagaattggc anacatgtca agaacagaaa aa 392

<210> 11690
 <211> 375
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-D1
 <400> 11690

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ggcaatgaag cagnaadata aagatgttat aatgaatgt aacttgaggc tgaaaaatat 180
 tataaacgag ttccaggagc aaggacttaa cactgagctt tattacaaga ataaagacat 240
 gggagacact ttcagtattg ttcctactag tgctattagt ggagaagggg tcccagattt 300
 cttgctgtgg ttggttcaat ggggcncnaag naacaatgg gtngagaaaa ttncatatgt 360
 tnacnaaatn tnatg 375

<210> 11691
 <211> 234
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-D10

<400> 11691

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 gatgaagatg caaacagtaa aaaaaaaggg ttttcttttc anctatttct tcttgaatgt 120
 tttttttctt tttcttttgg tttcttattg aaattgttgt atttttgttg gcttttttct 180
 aataatatca gcnagttttt cttaaaaaaa aaggtngat nggatnaaaa ttat 234

<210> 11692
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-103-Q1-E1-D11

<400> 11692

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 cntcncnnc tgccaaaatc cccacttcac gaatcgcaaa agatcaaggt ttattgatct 120
 attgcgaaat tagggtttgt gaattcgaat cggagattaa taatagattt tgtgatggag 180
 tgttcacac gcatagaaga atcttgattt cgatctcgat gaaattagga atcgagggat 240
 tttatttata attgagatgg tgaatattaa aagcccttta cggctattca tagaggagtc 300
 gattaaggaa ttaattaggg gtttcaggag acaaaggatc aaatggagaa atgcgtttct 360
 tcttggttct ataatgacta ccattgttgt tctgcttcaa acaacaacct tttcagtctt 420

cnctgatgaa gaagaaaccg agtcttcttc ttcttcgcct a

461

<210> 11693
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D2

<400> 11693

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cgcgctccggg aaagcgccctt gatgctggat ttggatagcc ttggtttcaa tgttaaggct 120
actcttcaag ggaacacctt caaactccga gttccgtttc caagacgcgc acaagacaga 180
aaggatgtaa agacattgat tgtggaaatg cttcaagctg ccaagtccaa ttagttgcta 240
aaataaagat ggaaaagctc ttccatctga atcctgctac aacangaaaa gcttcctcca 300
atacacattt tatcttatct atcanttgca aaaagaacac tcatttagtc ctgtatatat 360
ctcaacanga ctagaactaa gatgtataca tgaaaaaaag ttatcaataa agatttctga 420
agttgtattg gcaaaaaaaa aaaangnnaa aaaaaagggg ggnccgctcc agaagnttca 480
agccttagtt t 491

<210> 11694
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D3

<400> 11694

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ctgngtcena tcaagtaaag tgttcgtagc tgagaaaaac cctaagctct cgtttttcgt 120
cttctccgat tctgcaagta tgagtcgac aggtcagcct ccagatctca agaagtacat 180
ggacaagaaa ctccaaatta agcttaatgc caacagaatg gttggttgaa ctctccgtgg 240
ctttgatcag ttcatgaatc ttgttggtga taacactggt gaagtcaatg gtgatgacaa 300
aactgacatt gggatggtgg tgataagagg aaacagcatt gttactgttg aagctctcga 360

accagttgga agatcttagc ttatgacttt tcacccccaa gtaatcatcn tctgtaatat 420
gagacttgnc ttnantttgn ccccggnccg gnannaanca accctgggat tnnattggga 480
annnccc 487

<210> 11695
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D4
<400> 11695

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accgaacctt aaaagctaaa gcttgggcta aacaaaatca catgccagta ccaaagaaac 120
ttccttggtcc agataactgc ggagtcagca ttaactggca cgttagcacg gattacaaaa 180
atggttggac cgcaaggta accgttttta attggagaga ttcgcggtt gaggattggt 240
ttgtggcgat tgatatggga aaggcaggtc caggatatga aaacgtttac tcctttaatg 300
gaacacgtgt tccaccaagc aatcgaaccg ttatcttcca aggcttgcct ggtatgaact 360
aacctgttag gtcaaagttt atgggacnaa ttcaattana naacctnccg tngcccgga 420
agcaaaatcc gntaaccnct tnaa 444

<210> 11696
<211> 455
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D5
<400> 11696

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cgtgggcttc cctcatcgtc gtctctttct tcgccaante tcttttctcc tcgtctctgc 120
ntagccgata aattcgccgt tctccatcgg taaacgcagc tgaggagcta gataattctc 180
tgatatctgc gttacgccgg tgtggaagca aaatttaggt taatcggatc tcaattatgg 240
acgaanaggc agcaanacct agagactcca ccgtgaatca gcaacatcaa tactattacg 300

gaacgtttca aggcgttgcn aattttccta ntcctactcc acnaccgcaa tttatgcaac 360
cacagcatcc gattactacg tttcctggac atgcttanca aaatctncaa ggtcaagggtg 420
gtggtgttaa attangcnca aagggttnnc caatt 455

<210> 11697
<211> 233
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D6
<400> 11697

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aanggccgag cgtgagcgtg gtattaccat cgatantgct ccaaggaagt tcgagaccat 120
caagtactac tgcacagtca ttgatgcccc aaagacatcg tgatttcagc aaagaacatg 180
attactggta acttccaagc cgatttgtgc nggtcctaac aattganncc ncc 233

<210> 11698
<211> 55
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-D7
<400> 11698

ttgaagctct cgaaccagtt ggaagatntt agcttatgan ttttcaggcc caagt 55

<210> 11699
<211> 403
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-103-Q1-E1-B6
<400> 11699

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tctgttctct cttctctca tctgtctctc catcggnatc aactatggcc aggtcgctaa 120

caaccttctt cccctaaaa acgtcatccc tctctcaag tctgtgggag ctanaaaagt 180
 caagctctat gacgccgatc cacaagccct acgtgccttc gccggctccg gcttcgagct 240
 caccgtggcc ctcggtaacn agtacctggc tcaagatgag cgaccctatt aaagcccaag 300
 gctgggtgna ggagaangtc caagcttanc tcccaaacac caagatngtg gccatcgtaa 360
 tgggaaatga agtnctcanc tcantaccag tcagnctca ngg 403

<210> 11700
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-H4
 <400> 11700

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 gtcggagatt ctttcttcaa gagtcatctt cttctctctc tccttctccc taaaccctaa 180
 tttatcgctt ttggatcgaa tcagctgtca attcttgttt tggttttcac ggcagggcc 240
 atgtctgccg tatattgccg aaccaagaga tcttacttcg acgataattc ttctccgcc 300
 tcttctaaga ggttccgatg tttttcgctt tccaattctc caatctggtc ctctcctcct 360
 tcctcatcgc tcgatnagct tcaactctgcg tttcctcaaa atgaactcan gggctctcgc 420
 nanggactan aanaaaaagg gaatggtttt aagggcgnc aanaaaannt taancc 476

<210> 11701
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-H7
 <400> 11701

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 ttganaagga agtcgatttc aatcccgatt ttatcaggca catgttcgcg aagattgant 180

ggaaaagctct ggtggaaggt gcgcgttcca tgggatacgc tgagttaccg gaggaatctc 240
 cggacgccgc ggtgctgaaa tcagatgagc ccttccttaa gaaactccac cacgcgttgc 300
 tcgagctcca ccttgaggaa agcgcgcttg tttgccctga aactggacng aagtttccgg 360
 ntaataaang gatcccaaatt ntgnntcccc nannaaanaa a 401

<210> 11702
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A11

<400> 11702

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 gcaatttatc ctactacat gattggnatt ctagaatttt cattcaggat tggatatcag 180
 aaggacaaag aggatttgag aattcgaatg tagcaaatca atgcacttac aggtacaaga 240
 tctatataga agggtatgcg tggtcagtga gtgagaaata catattagca tgtgactcag 300
 tcacattgat ggtgaaacct tattactatg atttcttctc aagaactctt caacctctcc 360
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<210> 11703
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A2

<400> 11703

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 agagcttcta gcagcgtaaa aaatgcagac gaggtatatg gagaggacta atagtatgag 180
 agagaagaga aaattggagg aagatgataa tcagcagcag cagcaacagc ctgagcgtaa 240

aaggccagct cttgcaagtg taattgtgga agccttgaag atggatagtt tacagaggct 300
 ttgttcttct ttggaaccga ttcttcgccg agtggttaagt gaagaggtgg agcgggcatt 360
 ggcaaagctt ggccctgcaa gacttagtga aaggtcgtct ccaaaacgaa ttgaangnat 420
 cngtggaang gaattncaac nanaattnaa gncaaaatgg ccggggccct tgttaanggg 480
 gggaaanata aaggg 495

<210> 11704
 <211> 64
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A3
 <400> 11704

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 gtgg 64

<210> 11705
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A4
 <400> 11705

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<210> 11706

<211> 441
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A6

<400> 11706

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aaactcgaca tcttatctga cgacttcgat ccaaccgccg tagtcaccga accgttacct 180
cctccggtaa ctaatggaat cggagctgat aaaggaggag gaggaggaga aagagagatg 240
gttctcggta ggaatataca cacaacgtca ctcgctgtaa cggaaccgga ggttaacgat 300
gaattcaccg gagataaaga agcttatatg gctaattgtc ttgctcgta ccggaaaact 360
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<210> 11707
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-A8

<400> 11707

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tcgtggtggt agaagttctc tctttgatgg catcgaagag ggaggaatta gagctgcttc 240
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tacagtcatt ctcttaaaac gactatctgg cgatataaat gangaggctcg atactcataa 360
ccgcatgctt gacagnatgg gcaatgatan ggantccaca aaggggaant tcccccaagg 420
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<210> 11708

<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 11708

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aaatacatct ggtcctaata ctttcaggcc tccttctaata actagcacgg ctggttcagt 180
tgaggcttct ggcacagcta atcctgggtga agtanttcct ccgcccgtga acaggcctaa 240
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naattatggg agcactatgg ggggagggtta tgggttcaaata ctangtatga cctctgggta 360
tgggtcangt acatatggtt cagcattaag tgggtaagggt tcaacaanaa ggtggtggga 420
tgtatggagg tagtagcatg tatagaggan gttatggtgg tgg 463

<210> 11709
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-B1

<400> 11709

gnnngnaact tttanaaggn tcncgcgntc nanncagtc acnggtcgac ccacncgtcc 60
acttttggga aaaagtttca gcatttggtt cttgtcaatt cttatcaatg ctatcttaac 120
tcttctttgt gcatttctgt ttgagttctg tggctaagct gatttaggaa gttggtgatc 180
aaattacatc tagtgtttgt ttccgccagc tgaagtgaat caaaatgttt agttttggcc 240
gagcaagaag ccaanggagg caaaacagat ctatgtctct tggaggactg gattatgcag 300
acccaanaa gaaaaacaat tacttgggaa agattcnttt gacaacttct cctacagcct 360
tgtgcatttt catgctcaag caatctccaa cattcaatac tcctaacgtg ttttctcga 420
aattagccaa ggggtacaca anttttgggc acaggggggg cccggttaaa tnggttcaaa 480
tncanctna aggcttcnaa gggatcatac c 511

<210> 11710
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-B11

<400> 11710

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taanttnact ctgcccngnt cggactcnaa gncanaggnc ncnnggtcnn ntacaacncc 60
cnanagtgan tcatattaac attgactgaa ccagtggata atcaaggag aagaggtgat 120
caaataaagg agatggatct taatctacac cctgagctta aagggccctt aaaggcatta 180
tgcagtgatc caagtacaac catagttggt ctgagcggaa gcagcagaag tgttttggac 240
aaaaactttg gagagtatga catgtggctg gcagcagaaa atgggatgtt cctaaggctt 300
acgaatggag agtggatgac tacaatgcca gaacacttga acatggaatg ggttgatagc 360
gtaaagcatg ttttcaagta cttcactgag agaactccca ngtcaaaact ttgaaactcg 420
cgatacttcg cttatttggg actacaaata tgcagatatc gaatt 465
```

<210> 11711
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-B2

<400> 11711

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nnngtanttc tacgccgnac ggtacgncct cannaattcn agaggtcgac ccnccgtcc 60
anggacgcna tgggcggaac cgtgggttgg aatctgactt cagaacgctc tgagacaaga 120
atgaataagt actcccgggc gtcgtttcat cctatcagcc agaagattca cttcttctca 180
tttctcaact cgataactgt tgttgttttg ttaattggac ttatatcttt tctcttcacg 240
cgccatctca agaatgaact aagaagttac tctatcggag atgaagaaga gagaaaggaa 300
gcaggttggg aactcgtaca tagtgatgta tttcgatgtc ctcggaacat cagctggctt 360
tgtgcaatct taggaactgg tactcagttg ctaatcttga ttantgctcn aattgcattg 420
ggcttcaacn ggttttccct acccaataca aatcctgggg aangccggtt gaaatnccc 480
```

cgggnaacaa agttnacacc ccaaaattnn aangng

517

<210> 11712
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-B3

<400> 11712

cnanaggctg nnnccggccgt ctaaacagac natgccact acttcattcc ctccttgttt 60
tgatttcacg gtctttgtta gctctcctct gttttttttt tcttagtcaa tcgatggcga 120
aggagcttgc tgataaggct aaagaggctt tcgtagacga tgacttcgat gttgctgttg 180
acttgctacc caaagccatt gacttggatc ctaattgcgc tgagttcttc gctgatcgtg 240
ctcaggccna tatcaaantc gaaagcttca ntgaggccgt ggcagatgcn aacanngcg 300
ttgant 306

<210> 11713
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-102-Q1-E1-B4

<400> 11713

ggngaagttc tacgccgntc ggtaggcctc aggaattcca gggtcgaccc nncgctccnn 60
tctcacactc tctgttcttc atcacaccga gaattcgaaa attccgatga acaagaaact 120
tctcaaccct cttgaagatc caccaaccgc ttcttcaagc gaagacgtcg acgangagat 180
ttcatcagga gaagatgaaa aagaacatat ctccaattct tcttcttctg aagaagaaaa 240
cgaactcaaa gatctctcca ctcaaaccct aaattctcct tccaccgagg ctccaactct 300
cgattctgga tctgagacaa attccgactc agataagcca atcgtcttaa ccagtcagaa 360
gaagaaagaa ggtactgatt catcaggac gaagcgagct agtgaaggaa ctaactcaaa 420
ggggcatcna nagggggnaa ngnaagtttn angggatgng cnngtgccna aaattncaag 480
gttttngggg ccnanggaat tgattnc 507

<210> 11714
 <211> 314
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-102-Q1-E1-B9

<400> 11714

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nttttttttt tgctcttgac gaagaaancca nnaaaaaana caatganaga gatccttcan 60
atccaaggcg gtcaatgtgg aaaccagatc ggagcaaagt tctgggaagt gatctgcgac 120
naacacggca ttgntcacac cggtaatac gtcggcgatt cncggttaca gcttgaacgt 180
atcgatgtcn atttcaacga anctagcggg ggaaagtacg ttcctcgcgc tgttcttang 240
gatctggagc ctggtacat ggattctctc agatctgggc cgttcgggtca gattttccgt 300
nccggaaanc ttcg 314
```

<210> 11715
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-G8

<400> 11715

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aaagnnagcg ccacaaccgg ncaaggncga nacannctc tagnatnntn cgnnctntca 60
agagagatag gacgaccaag tttgttcgat ctcgttgccg caaaaaggta acagcagtca 120
tcaagatcaa gaacctgaga aacttctctt ttgcgtggtt tttcttcttc tccaaaactc 180
gtaaaaccta taaaccacaa tggctcgttc tctcgtaac gctaagatcc aatccgtctt 240
cggctccgaa aagctctcga acgccgtttt cagacgaggg tttgccgccg cagccaaaac 300
ggcgtagat ggaagcgttt cgaccgcgga gatgaagaag agagctgggg aagcttcaag 360
cgaaaaggna ccatgggttc caattctaa aaccgggtat taaaaaacgg gaaacgtttt 420
cgaagggnaa ttgaccggg tggacctacn ancaattccc ttgaanaana ancantaant 480
ttattaaaac 490
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<210> 11716

<211> 362
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-E5

<400> 11716

tctgccnagc cgtccgccna cgcgtccgcg gacgcntggg ctcaganacc aattctctca 60
 atctccgctcg tgcgcttttg cttgattttg taataaggaa tctgaggaat tgatacaagt 120
 gggctctgat gggaaccana tacttttagaa cngctgcaga tgaaaactcc antgtggatc 180
 tcancagtca agttcaccag ctcccttgcg gcattagatt tgatggctct gttgaagttt 240
 cccactantt caagcctaaa tctancgatg ttgaaatcga tggagtaaaa acggaagaag 300
 ctcatttcna gacgaangaa gttgcangga gcaactaant cantcccnaa tgggtaatcn 360
 gg 362

<210> 11717
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-E6

<400> 11717

naagantnag ncanngtact gctacaaagc tancaagaaa ccgtcgttcc acgttctcta 60
 cccaacggaa nactagagag agtttactgg aaagggtgcag cgaagaagcc agtcagtgtt 120
 gtgtacagtt tatgtgatcg tgtctactcg tgaacaccgt anctgcatca acaatgactt 180
 ctctntaaaa aagcnattta tccggnattt ttaacatgga tttcttcacc tgtggaggga 240
 gagagaaggc aatgagtttg tacagtttga agattggctt tttatgagat gcttttctta 300
 agattatgaa gtanaanatg aacactnagc acaagcagca ttnaaacata tattacnntt 360
 gtccttttgta aagggna 377

<210> 11718
 <211> 343
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-E8

<400> 11718

tcacttaana cagcagaaan cttttcttca gtcttctcct gcgttctcct tcttcacttc 60
ccaactaant ctcgccggac gatcgtaacc ggagagcttc cgtcgaccgg tcaagtgttt 120
gatatctaaa gaagatgttg angtttctat canaagtaag aattgagttc aacacattag 180
atccaagact tgcgtcgtgt gttgaantct tagctcantg caatgcaagg aaggccaaag 240
aatcgaatcn caattgtcag gttttgggtga aacgtagaac cgatgagcag gcggcgcaaa 300
tnactgtnac ttttggtaan ggtgtttaag gaangttttt gtt 343

<210> 11719
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-F1

<400> 11719

aactccaatg ttacggcgag atgggtctaca gtttcgtcgg tcaggatctg cttggggaat 60
gcagccgccg tgatcttccc attgaacggc tcaaatacgt ggtgacgtgg aacatctcca 120
cactccgtcc ggtgggtctt ggcatgtctc cgtacaactc cgttctcggc gagactcacc 180
acgtatcgaa cggtcacatc aacgtcatcg ccgaacaagt agtgcacatc cctccggttt 240
ccgtcttca tgcgactcac gaacaagaaa atatcgacgt gacatggtgt caatatttca 300
ctcctaaatt tccgtggtac tcacgtngac gttgaagtaa aagggtaaaa aggttatgaa 360
ncctctnaan cccatnaana cctntnagaa agaacnacca gaacnannan gaaattcttc 420
cggg 424

<210> 11720
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-F12

<400> 11720

tanttctaaa cgntcggcgc ccangaanng tcanngnct cncgggncga cccangcntc 60
 nacngacnct tgggttngag acgaactctt tttctttctc gtgacgaatg tttctgtcta 120
 gaagctttta aggattaaga ctctccaaaa ttttgacgcc gtgttattct cttcccgctc 180
 ctcatggatc cttcaagacg accaccgaag gactctcctt acgcgaatct attcgatctc 240
 gagccgttga tgaagtttag aattccgaaa cctgaagatg aagttgatta ttatgggagt 300
 agtagccagg atgaaagtag aagcactcaa ggtggggtag tggcaaacta cagcaatggg 360
 tctaaatcga gaatgaatgc gagctccaag aagagaaagc ggtggacaga anctgangat 420
 gcagangacg atgatgatct ctacaatcaa catgttactg angagcacta ccg 473

<210> 11721
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-F2
 <400> 11721

tggnnnnngna anttntacgc cgntcggtag ccacgaacag gtcangnact cncgggtcga 60
 cccacgcgtc cncgatcntg gancatgctc gagaattcat gatccaaagt tgaaagaaag 120
 cttcgagaac tctccgaggc atgattccta tgtgcctaaa ttcgaggctg agcttgcaca 180
 gttttgcgag aagttggtga atgatcttga taggaaagtt aggcgtgggc gagaacgtct 240
 tgcacaagaa gttgaaccgg ttccaccacc ttctctatca gcagagaaag ctgaacaatt 300
 gtctgtcttg gaggagaaag ttaagaacct tttggaacaa gtggaagcac ttggtgaaga 360
 aggcaaagtg gatgaagctg aagcgctaat gangaangtg gaanggctaa atgctgagaa 420
 gacagtgttg ttacaacgac caantgacaa agggtagccg aaagngcacn ggaaaaaaaa 480
 aggcattgtg taaggtttgg nggccattcc 510

<210> 11722
 <211> 354
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-F3

<400> 11722

gctcaagtat agagaagaag agctagttag tttgagagga accggcgaag gagagcttaa 60
ggaatgggac agagtatatg actatgctta ctacaatgat ttaggcgtcc caccaaagaa 120
cccacggcct gtacttggag ggacacagga gtatccttac ccaagaagag gaagaaccgg 180
gcggaaacca actaaagaag atcctcaaac cgagagcagg ctaccgatca catcgagcct 240
agacatatat gttccacgag atgagagatt tggacacttg aagatgtctg atttccttgc 300
ttatgctcna aaagcgantg cccanttnaa ccaanctnna natntagggc nttt 354

<210> 11723

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-101-Q1-E1-F4

<400> 11723

acgacggcac nagcttcacc gaagagcnaa natggtgaan attccgaaaa ctaanaanac 60
ttactgcang aacaaggagt gcaatgaagc ataccttgca caaggtgacg caagtataag 120
aaaggtaaag atagccttgc tgcccaagga aagcgtcntt atgatcgtaa acaatctggt 180
tatggaggtc agaccaagcc cgtcttcac atcnaaggct aagacaacta anaagattgt 240
gctgaggctt caatgccaaa gctgcaagca tttctcgcaa cgcccgatta anaggtgcaa 300
gcactttgaa gatnggtgga gacaanaaag gaaanggaac atctctcctt taagttgggt 360
gngtcaacca aaccaatttt tttgggntgn gtttgaanc gtgccgggtn tcaaaa 416

<210> 11724

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-101-Q1-E1-F5

<400> 11724

actgtncggc agcctcacng nctcaagggt cgacncaccc ntcnagcgnc aatcatnggn 60
ttgccacagg cgtatctggg aangggaaatg atgtgaagga gacgattcgt tggttactga 120

actctgccgt cacttttata ctcaagggtg ggggtgcnng cactgggccc tagcataacg 180
atgaaagttc atgatgcttc gattcctaaa ccggagcaac ttatcgatcat gtctccttca 240
gggtgttcaaa aggagaggat gcaacctgag gatatgtaca tcttatctgc taatggatcc 300
atcatatcta caccctctcc aaagccatac ccaaataagc ctcccaagtg taccgattgt 360
gctccacttt tcatgaangc atatgagatg cnaaatgccg gaactgttat tcacagtcct 420
ggnaagaaa ccttcncgtg nnaanacctn aanccgca 458

<210> 11725
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-F7
<400> 11725

caagnactcg agggtcgann caccggtcnn cnttcnctct cncnctctc ttctctttgt 60
gtaagcaaag aaccaatctt tagataattt aggaaactct tcattattcc tcttgcaagc 120
tcgaatgatc gccgccttgt tcccttgata cctcgaatcc tttctctctt ccagcctcaa 180
gtatcacttc aatcttctcg gnttgatagt taaatggatc ctgttcctgt tcgatgtctt 240
cttaacaagt atatctcggg atcttcatct ggttgcggtg cagactataa gatttaatcc 300
tattcaaaca tgtattggaa atatgggtct cttgttgaa ctcttgaaac cgttgctcga 360
tgaagttggt gattgcaaga naccttctga agaatgntta aataaaagnn gtgaaaaacn 420
tnagnncngg ntgt 434

<210> 11726
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-F8
<400> 11726

tcnnagnngg tntngtacng tttgaagaca aaccangatt attcatacct aaagaggctt 60
ttcagagacc ttttatccg agaagggtat cagtttgact atgtattttc tctatgtcgc 120

ttcactacgg tttgnagaca naccagatta ttcataccta aagaggcttt tcagagacct 180
 atttatccga gaaggttatc agtttgacta tgtatttgat tggacaatat tgaggatatcc 240
 acagttcggc tccagttcca gctcgaattc caaaccaaga ccaactttaa gaccagctat 300
 gaatattcca gtaccatctg ccgacaaaagc ggaaaagcct ccaattggac aggacagccn 360
 tnanaaggtc ncaagngttt tcnaagnata naccnaaaa aaaaggggcc agggaaacggg 420

<210> 11727
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-G11

<400> 11727

ttaacnncca cggccggata ggtcanangg ccgngggncg ncccaancnt cnatcntttt 60
 nntnannact cagtgcgcac cctctcctaa aaaacactca taaataaaact cgctggagac 120
 gccggaacca aaaacagagt tctaattggag aagagggaaa atggtctcga tggaaagcaa 180
 tcgggtcggg tcattaacgg acccactaac ccgatggatca cacctctgct caacgatctt 240
 taccanttca ccatggctta tgcttattgg aaagctggna aacaatctga gcgatctgtg 300
 tttgatctgt nttttcgtaa gaatcctttt ggtggagaat acactatctt tgctggttta 360
 gaagaatgca tcatntttct cgccaatttc aatttgactg atgangagat tggtttcggt 420
 ccgtgatttc gttacctggg natggtngag ggaagccttt cggatgaattt g 471

<210> 11728
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-G12

<400> 11728

ntngnggtaa ttcnntacgn tcggctgccc angnnaangt cnnaggncctc gnggntcnan 60
 ccaagcctcn atnatnattc atcacatcta caccggtgta tcggaatact tctccagaaa 120
 gttaatgata gagcatatgt tcgtgacaag attgactgga tgtacgaaca ggctgacatt 180

tctatacctg caaatagact gggtttggcg aaggccatgg ggctggtcgc ggctttctcac 240
 ttggacactg tactggaaaa gctgaaaatc atcgtggata atgttgggca gagtattttc 300
 caaaggatct tatctctctt ctctgagagc tataaaacag aagacagtga tgatatacac 360
 gctgctttgg ctttgatgta tggatatgct gcaaaatatg caccctcatc agttattgaa 420
 gccagaatag atgcacttgt cggcaccaat atgctttcac gggntccttc atgtggggna 480
 aaaa 484

<210> 11729
 <211> 142
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-G3
 <400> 11729

natnaaggtg tggncaccan ttggaaagaa gaagtttgag actctatcct acctccctga 60
 ccttagtgac gtctaattgg ctaacgaagt tgactacctt cttcagcaac aagtggattc 120
 cntgtgttga attcnggtta na 142

<210> 11730
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-G5
 <400> 11730

nnattgtctc aatttttagg gttcatcaaa atttgaacaa aagggacctg ttttgctcaa 60
 tttttgatag cagaagacga atctggatct ggggtcactt caagattgaa ttaagagggt 120
 tttaagtaag ttgagatgac agttaagca aggagaattt ctggttagatt agagactgta 180
 gtaactaagg ttaattatgc atttgatcct gttgacgatg acaaaatcat aagaaaccgg 240
 cttctaaccg gaaccacgac cactcgaggc gagcctccat tgaagaaact tcagaagaag 300
 ttcacttcnt ttgtactcna ngtggataaa gaagaanaga actatnacga ctgnggtaaa 360
 ncttgnaaaa ccttttttan agggangng 389

<210> 11731
 <211> 386
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-E4

<400> 11731

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tttccatttc cncgacaaac tccttttttt ctctcacttt tctcgaattc tttttttttt 60
tttttctctc aacgaaacat aaatcctctg ttttggttta agagatggat atagaagcaa 120
gcagacaana aaccagncta ccggtttcag tcggcgggtg gaattttccg gttggtgggt 180
taagtccgtt gagtgaagct atatggagag agaaagctcc aacggagttt gncggagacg 240
tgtcagcgag gcttacgtgg caanatctga cggatgatgg gactanggga gatggtgaga 300
ctcaaaatgt tcttgaaggt cttaccggtt angctgaanc gggatntngc angggntctc 360
aagggccctt tncgggtccg ggaaat 386

```

<210> 11732
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B4

<400> 11732

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gcatccttct ccgtgatngc cgctgangaa tcctccggtg aaagcgtttc ggtggcaaga 60
tcttgatcgt tgtga 75

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<210> 11733
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B6

<400> 11733

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ggngnanttc taccggtcgg tagccctcan agaattcaag ggncgacca cncgtccnga 60

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ttcttctgag ttcttgcacg gttcagggtc aaaccaacaa atatggaaag aaaagtatta 120
 tttagttaca acgtgaaaac acaggcttat taattctctg cagataactg cagaagaaag 180
 aagaaagaag aagaagaaga gattagagct tgagccataa tatataatcc cttgatcatt 240
 agtctaaaga accacatana aagatgggat tctggtcggt gttggagggtg gcttctatgc 300
 cggttattca agttcttttc atgagtcctg tgggagcttt catggcctct gatcggttgc 360
 agctcttccc tgttgaagcc cgtaattcca tgaacaangt ggtgtttgta ccantttcac 420
 cggggctcaa gnttggcaat ccnacncana aaagggttac ntttnaaant tcanccccag 480
 ggggggttta acccggtnaa aaagg 505

<210> 11734
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B7
 <400> 11734

gggatttaaa cgccancgna ccaanctcag ggtcgacnch cccgtcnngg gatggantcn 60
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 gagtttctct ctgctttgga taaagctgaa actgcagtac gtcttcctac tgggacggga 180
 aaagactgcg ggaatccttc ctggaagcga tctctgcctc acgtgctcgt tgcttctctg 240
 acttcgcttt tattcggtta tcatctcggg gttgttaatg aaactctcga angcatatca 300
 nttgaccttg gctttagtgg gaacaccata gctgaangtc ttgtgggtta cacctgggtta 360
 agcggcgctt ttattgggtc nctgttcagt ggggtngtag ctnacggtgt ttggcgccct 420
 anaacttttc nnatttgggg ccntnaaca 449

<210> 11735
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B8
 <400> 11735

cgctctcaaa cgaaatggtg gttttgattt caagtacagt gacgatttgc aatgttaaac 60
 caaagcttga agacggaaac tttcgcgtta gccggttgat acacagaccc gaggttccat 120
 ttttctcagg attgagtaat gagaagaaga agaaatgtgc agtttcggtt atgtgttttag 180
 ctgtgaagaa agaacaagtt gttcaaagcg tggagagtgt taacggggacg atttttccga 240
 agaaatcaaa aaatcttata atgagcgaag gaagagatga agatgaggac tatgggaaga 300
 ttatttgtcc aggttgtggg aattttatgc aagacaatgn ttcaaattta acccgatatt 360
 ntcccaaaag aaaagggcct ntgcaaaaac tnggaagggt gatnaacatg tggaaaatna 420
 tnaccttgcn gggtttgaaa tgg 443

<210> 11736
 <211> 256
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B9
 <400> 11736

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 catgaagcgt cnttgcacag caagcgtatc gnccacatcc ctatcctggg gtccaattgc 120
 aagttaatgg gaatgcacca gccaggagtt ccattgcaat gtgatgcngt cnaggaacct 180
 gtttttgtta acgcaaagca ataccatggt atactcaggc gcaggcaatc ccgggcaaaa 240
 cctngangga cgannt 256

<210> 11737
 <211> 313
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-C11
 <400> 11737

gngttaanca nnaacctcct cgccctaaac ctgaacctgt cgatcngaa aagacatgtc 60
 cccttcttct tcgtgttttc antaagagtgt gtggatcatca tactantgaa gattatgctg 120
 tgagaggcaa agaaccaaag gatgaagttc aaatctacac ttggaaagat gccagtcttc 180

gcnagctaac agatttgggtt aaagaagttt ctgtancanc taggagaagg aatgcnagat 240
 tgtcntttgc gtttgtttat cctaacaata aangtggcta taatgtgaga gangttgggg 300
 agacganggg tta 313

<210> 11738
 <211> 102
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-C3
 <400> 11738

ggnacattcg gtgttgctgc ttcacgcgga ctgcttacia nacgggtcat caagttcgta 60
 tntgtgacaa gtgttgtagg atatagacat tnaaaactct ng 102

<210> 11739
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-C5
 <400> 11739

ctttggnctc gnnnggncga tacancntc tanacnnacg tntgcctaa cgcgtccgcc 60
 cacgcgtccg atggactgtg gaatcatcaa gggaaatgga acagaatctg gacggattat 120
 taccaccaa aagaagggtt tgaatgatca aaaagacaag acaatctctt acagagctga 180
 acatgtaatt ggcaactggct cattcggtgt tgtctttcag gctaagtgt tagagacgga 240
 agaaaaagta gcaataaaga aagtgttaca ggacaagaga taaaaaaca gagaacttca 300
 gatcatgca atgcttgatc atcctaattgt cgttgagctc aagcattctt tcntttccac 360
 gactgagaaa gacnagcttt ancctaaacc ntgttcntga agtangtttc cccngaacnt 420
 ntnaccggcc ttccaatttt ttaccccang 450

<210> 11740
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-C7

<400> 11740

tcgctataaa aggggaatttc caacttccaa taaaaaggca angcgtaa at ncctgcccgt 60

tg 62

<210> 11741

<211> 102

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-101-Q1-E1-C9

<400> 11741

gtningatcta cagaggatga tttccaacng tggaacaagt tgccgtcgac gaaattttat 60

gtcagccgtg cgtacacgag gcgaggatcc catcgggaaa tt 102

<210> 11742

<211> 512

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-101-Q1-E1-D1

<400> 11742

ggngnaattt nanaacgntc gggccgnacg ganaccggtc acagnantcc cgggncgacc 60

cacgcgtccn cttcttctct gttctatcgc agacattttt gtttatatgc atacataata 120

ataatacact cttgtcagga tttttgatc tctctttggt tttctcgaa aaatgtctgc 180

gatactccaa ggagctggag ctgcaacggc tctctcgccg ttttaattcta tcgattccaa 240

caaactcggt gctccttctc gctcttctct ttcagtgagg agcaagagat acattgttgc 300

cggatctgat agtaaaagct ttggttctag cctcgtagct cgtcgctctg agccgttgat 360

accaa atgct gttacgacga aagnggacac tgctgcgaac tctacttcat caaaagcctg 420

gacatgagct antanntttc caaggncctn aaaaaagngt ataaaaaaaa nattgngaca 480

gatttccaan tgtatgttcc aggggggnnaa aa 512

<210> 11743
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-D10

 <400> 11743

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 gcgtcnnnct tacaatnnna aaaatgggag cttcgaaact ttccgggatg caaaagcaag 120
 tcttgagtct ctacagagga tttctaagag cagctcgttc aagaccaata naagacagga 180
 agagaataga gatgattgtg tcaacagagt tccgccacaa ctctaaggag gtcgaccgta 240
 agaattttca gtacatcgag tatttgcttc ggtaggtac taaacagctt gatcaactca 300
 aaagccctgc catagttagc ctctcctcga tcaaggctgt tncatctaaa acctgatacc 360
 ttattttata gcttggtgct ctagtgacca tacgataaca aagctgagga aattgattcg 420
 ttttctcctt tttanattga gttaagtagg tnnaatgatn ggangttcaa ggtcaatta 479

<210> 11744
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-D12

 <400> 11744

 cgtggnnct tnnaanctc tanactgngt cgtnttaagc taaacaaata atcagaggaa 60
 cgaaggagac agcttctgcy aaatcagcat gagagccaag gttagtaatg ggttttgatt 120
 gtttaaatgga ttttttagtg atgagaaatt gaagtagtgt gtaggatctt tatggtttgt 180
 gtgttttgtgt gttgcagtgg aagaagaagc gtatgaggag attgaagagg aagagacgaa 240
 agatgagaca gcgatctaag tagattcggg agtttgtttt gtctttcttc tttttagaac 300
 caactcttat gtgagttttg ttggttttgc aattttcaat ttgaatgttt tggtggngca 360
 natccaaatc tatgttttcc aagtanaatt anggtttaat 400

<210> 11745
 <211> 488

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-D2

 <400> 11745

 ggggngantt aaatnctacg cggcggaag gtcaggnact cncgggncga cccacgcgtc 60
 cncggacncn tgggcgaaaa tggttgcctc agccgccgca cgacctcttg tcaccgtcca 120
 aggacttgac ggtgacatga gcaccgatca atccaccacc gtcactttac cagacgtcat 180
 gactgctcca gttcgacctg anattgtcaa cttcgtccac gcccaaactc ccaacaacag 240
 ccgtcagcct tacgcagtct ccaaaaaggc cggtcaccaa acctccgccg agtcctgggg 300
 aaccggaaga gccgtgtcac gtatccctcg tgttcctggg ggtggaactc accgtgccgg 360
 tcaagcagcg ttcggaaaca tgtgtcgtgg tggctctang tttgctccga ctaagatttg 420
 ggaaanncng gnaacgtcgt nttaaagtnn acnnttaaaa gggcncncna ttgttttgca 480
 atcgcnegc 488

<210> 11746
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-D3

 <400> 11746

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 gcaatgttgc tacagaggat atgagcaggc tttttgtgaa aaaacggcaa gactccacca 120
 aggcaaaatc tccagatcag gaatagtttg gtcaaatttg aatggtttta tttctctgac 180
 taattacgta acattttgtg caacataata gtggtatctt agcagaaata acagagtatg 240
 caactttttt tgttttttca tttatttggt actatttata caaaagaaac aaaaaaagtt 300
 ctgatatttc cattaaaaaa aaanaaaaaa aacaaaaaac caaaaaanat nanna 355

<210> 11747
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-101-Q1-E1-E12

<400> 11747

anttnnann ngtcatacgg tcaggcaaag gtcacnggnc ncnnggncn ntncaancct 60
ctagnncngnn tcgtattacc gccaacagca tcacaatcaa tcacttgctt ttctcaccaa 120
aacggcaatc tccccaaagc agggcatgca ttgggtataa ctcacaatgg agcaagcgga 180
gactatccag gctgcactga tctggcttac cagaaagcaa tcgacgatgg agcagacata 240
attgactgct ctgttcagat gtccaaagac ggaatcgctt tctgccatga tgctgcagac 300
ctctcagcaa gtaccaccgc caggactact ttcatgtccc gagccaccag cgttcttgag 360
atccagccta ccaacggaat cttctctttt gatcttacat gggccgagat ncaatctgtg 420
aagccacaaa tagaaaaacc ccttaatggc caacgggctt caanagaaaa ccccgcaa 478

<210> 11748

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-101-Q1-E1-E3

<400> 11748

gnngnannnt aaangctacg cggacaggaa cnggtcacag aantcncggg ncgacccacg 60
cgtnngtcg gtgatcggag atggagttcc gggagaagct tttgaagttc aagttgcaaa 120
tcgtgtttgc ctttgtttta tctctctca ccgtagctct cgtcgcttat tctcccggtt 180
tcctcaccgt tctatcttac ttctggccac tttttctctc cacggctctc tttctcgctg 240
ccgttttctt ctctgcacgc acctccgac tcccggtttc gtctaccatc atcccaggcg 300
aaggcgagg cttaaaagtg gcggcggaag ggattcttga ctatgtcgtc ggcggaacaac 360
acgaagacat tctctttgat agcttcacca aacttgacta agtatgagac ctctctgttc 420
ntaatcctt aagtanttcc gttaantaan ttgttccctt tttaaaacna nagaaaatnn 480
aaattttcca angtnaaan ttnc 505

<210> 11749

<211> 517

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-101-Q1-E1-B3

 <400> 11749

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 gcgtcnaaga gaaattgaag ttcacagctg aagaaattga gatgggtctt atcgagtcca 120
 acactacaaa tgctcagctt cacattgcac ttttgaaggg gataccaccg gtgaataaaa 180
 cgcttgacga tgcaaatgca tggatcacgg tgttgtgtaa gaaactagct ccatggtggc 240
 catggattgc taagggtgaa attcatatta ctgttaacaa aggggaggaa atatctgaat 300
 accaaggact tgactctatt aaccgcctga agattttgaa ggcactttgt gagcttcgag 360
 ttcaacaaga tgatgcacgt tcgtatatcc aagaaaatac caaggaanga gactgggatt 420
 ctagtttacg ccanaggaaa ctttgaggag attggnaaaa aacntctcat aggggttnna 480
 ggggnaanng atnnccaagg gttaaaagtt tatangg 517

<210> 11750
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-H6

 <400> 11750

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 ngtgttaccg cgtcgaagga gtcaatcact atcagaaatg tcgtcatctt gttcagcagt 120
 atctcgattc cactcgcggc gtcggttggg gaaaggatca tcgtcctatt tcgtccacg 180
 gtcccaaacc ggaggctgtt gaagctgaat aatgttgtgt gcctcattga gatgtctgag 240
 gttttgatat gggacataga atggaatcat ttcacaagct aatggctccc tgatatcttc 300
 caaactctgt agatttctct tgttcttaga aacttgtcgg tctttggacc aacggattca 360
 tgtaattgag ctttgagtat tgttacactc cacagtatca agtttctgat gatcaaataa 420
 gtcccathtt cattaanaaa aaaaaaaaaag ggcgggccgc tctaaangat tcaa 474

<210> 11751
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-H9

<400> 11751

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agtctctctg acactctcac caacctaat tctcacaaaa acctaaaaag ttatcgccca 60
tggattcaga tttcggaatc cccagagAAC tctctcctct tcaacaactc cgatctcagt 120
accaccctga gcttcctcct tgtctccagg ggactactgt ccgtgttgaa cttgggtgatg 180
gaaccactgt ggcaaaggct ggtgatgctc atatcattgc ccgtgccttc ncacatactc 240
taggccagcc tttggctcat ttcctcaggg caactgctaa agttgctgat gctcagatca 300
ttactgaana tccagtgaag agggtcggaa ttgtgttctg tggaaggcag gctcctgggtg 360
ggcacaatgt antttggggt ctatacgaag ctctcaaagt 400

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<210> 11752
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-A1

<400> 11752

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tctgattcgc cctggaaaaa agcaagtgca gaaaagagag gctcatgana ttatctacat 120
tgatgaagat gagccattca actgtcctga tccagacttt cacgatttta acaacacaat 180
gagctctttc gctgtaggtc aagtatgggc tctatatgat cctgtagatg atatgcctag 240
atactatgct gagatcagga aagtattgca acctcagctg agtttacggg tgacatggct 300
cgaatcatta cagaccacag aggaaccaat tcctgcttgt gggaagattc caacatggna 360
aatcngngac caattncnn ntntaggttt tccnangga aattntcac 410

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<210> 11753
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-A3

<400> 11753

aatatggcta ccancactgc agcaacnacc tcaggtattn ttgggatccg gattcaagat 60
cctagacctg naaccggtan ggtccaagcc cggttcgggt tcagtttcgg aaaaaagaaa 120
ccggctccac cgccaaagaa atcaaggcag gtccaagacg atggagacag actagtttgg 180
ttccccggcg caaaccgccc ggaatggttg gacggatcga tgatcggaga ccgtggattt 240
gatccgtttg gtttaggtaa accggtgag tatcttcagt acgatttcga tggacttgac 300
caaaaccttg ccaagaacgt ggcgggtgac atcatcggga tnatccaaga atcctccgag 360
attaaaccga cncnttttna aacctntaac nnaatccctt gggnatcaaa nggttcaaaa 420
aatgtnaanc 430

<210> 11754
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-A4

<400> 11754

cgncnacngn cncgaaggtc gntncaaccc tctanantga ctcgtattan cgcgtccggt 60
ttcagattcc ccacagattt tttagcacat atcaaaatgt ttctttttcg aaaatttatt 120
taaatagataa cgaaatttac atctccattt cgattgattc gtttcttcaa ctctctctct 180
tcttcttctt ctanttgctt ctgtgaaacc ctagattttg gtgtgaggaa gaagacttca 240
atggcggaag aagtagcata gaacgttaac gcagtcccgg ttctcggaaga cgagctttac 300
ggatttaaac gatcggagat gtacagtggg actctcgccg gttccgttgg tccgtacggt 360
cgtcatgttt tcctttgtta cangagtcac gagacttggc ttctctgtgt tgaaactggn 420
nggcctccnc aanggtttcc cnnaatttgt ttaagggnct gnaangctga 470

<210> 11755
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-A5

<400> 11755

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gtataganag ttatcatcta gggtttatag attggagatt ttagccgcaa caaggaggaa 120
gtgtttttta ttttaatttta ttgttaagag ttattgttgc tttagggtatt tttagaattt 180
gggtgttctt ttaaattggct cggttgataa ttccttgctg aagttcgtct ctggcgagag 240
tcaatcttct gggtttgctc tctcgtgctc ctgttctgt tagaagcagt tgtcttcgta 300
nttcggcaaa cagacttact caacacagac cgtttcttac ttccgaggcc atttgtttga 360
ggaagaatcg gtttctaccc cattctgttg atacacatna gcaaaacagc aggaggctca 420
tttgttctgt tgccacaaaa tcantttccg atnaaagctg aaaanttccc aatnggggnn 480
cccnaaana 489

<210> 11756
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-100-Q1-E1-A7

<400> 11756

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tgctttgtgt cagtgatttt aggattgctt catttgccac acatttccaa tctcttaagt 180
agttggcggc gaagatgggt ttcctgatag ggggctcttg cttegtccct tctgttctc 240
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cttctttaaa ccaggaagat gggtagcagt atgacgttgc ttccgcaaaa aggagggtt 420
tccttctgt gggtanctcc gttcctccn ttttgaann tntattaacc cccttgggnt 480
nanaaaaanag gca 493

<210> 11757
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-A9

<400> 11757

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 nctacgcgtg antcntagnt anngtagaac taccttttcg taacctcccc tcctcgtgac 120
 ttccacatac aaaacatgca aatctagttc ttttcctcca atcacaggaa tcatgaactt 180
 agtggacata attgagtga accgcctgag agtatcccag aagacanaag aatccttgac 240
 gacaacttca tgtaaagcca atggttctgg atactcttta atcttcgccg gcgaagtcgc 300
 catcatttct accgtcgctt gagacggtgt cnattcgttg tccgatgaca tcgctataga 360
 gagactttta gtagagacag atatcttttt tttgttgggg aagtcacgag gaggggaggt 420
 tacgaaaagg tagtcgtana gaaaaaatgg anggaaattg gaggaatgtt tanattctcc 480
 ggga 484

<210> 11758
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-B12

<400> 11758

agtgnngtgn ngagctgtct ctataggcaa agaaacgata attggggacc atatgttctt 60
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 gtggaacatt ttcctttctt cntcttttaa tctttctgnt tgcctcttaa attttctggg 180
 tccatggcaa gtttgacact tggagggtgt tcgttgatca atgaggtcgt ttttggtccc 240
 tccttgattg gtttcagaag taaacggttt aaacgagctt cagagagatg taggttttgt 300
 gttcaacaaa tgtcagagaa tgancagaga actaaacacg aactggctcg gttcctgcta 360
 aaagaagcga gtccttgaga antnatttna angccant 398

<210> 11759
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-B3

<400> 11759

gnatcactcg tttcctgatn gaaaggacga tagtctcagg tgacctgggtg gtgggtgctcc 60
 gggtttacntg g 71

<210> 11760
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-B5

<400> 11760

nnnattttanc agncttaccg ncaaagactg gtanagcatt cgcgggccga tacangcntc 60
 tacagggntt ctanttatct agggtttatc tatctcattc cgcaatcatg gagtctctgg 120
 ggaagctaca gctacatcac cagccatttc acctttcctt cactcacacc tcttcttcaa 180
 cattccccaa aaacctcttc aaatcctcaa ttcaaccaat ttcattctctc aaatccgctt 240
 caattaaagc ttcgctcctcc aaatttcaaa actctatcac cctctctcca aagtccacac 300
 ctttccgtct cttcaaatcc acatgcatca ctctaacaac cgccgcgggt ctgcttttgg 360
 cgaatctcca tctcaaatcg ccggcgattg cagctcccat cgcgctctcg ccgtcagttg 420
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 nnacnccctt tt 492

<210> 11761
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-B6

<400> 11761

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 gentctacac antatnctct tncatgaatcc attactttta ctccaaaatc attaacaatg 120
 gactcaggaa gtgcagtgga catcatttcg acgctttcag acttcctgct cgtcctgac 180
 atttcgaacc tttccttcaa ggaggctttg agcaccagtc gcctttccac ccgctggaga 240
 cacatatgtc gcgaaacgag aaacatctct ttcagagagg acgagatcgt gacattcgt 300
 gatgattccg ttgctcgcta ttaccaaagg gctgcattag ttgcctatat ggttggttg 360
 gttacaatt ttaccggtgg agttgttgaa agcttcgagc ttcgtctctc taattcgtaa 420
 gcttttgaag aaggggtcac cacactgatn naattcgtg tctccaaaaa agtcaaacan 480
 ctttttctgg accccc 496

<210> 11762
 <211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-100-Q1-E1-B7
 <400> 11762

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 gentcnaeng ncncttgggt tncgatactt tcaatctctc taaactctca atttcagtaa 120
 tcgataaccg tagcaatgga atccaccgga aaagtgaaga aagctttcgg aggaagaaaa 180
 ccacctggtg ccccaaaaac caaatcggtt tcgaaatcga tgaaagccgg tcttcaattc 240
 ccagtgggaa gaatcactcg tttcctgaag aaaggacgat acgctcagag acttggtggt 300
 ggtgctccgg ttacatggc cgccgttctt gaatacctcg ccgcagaagt tctggagctt 360
 gctggtaacg ctgagagaga taacaagaaa tcaaggataa ttccgaggca tcttcctctc 420
 gcgataagga acgattaaaa aattgggaaa cntngantgg ggttcaaaan cgcaaaaggg 480
 gggtnntttg ccaaa 495

<210> 11763
 <211> 126
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-100-Q1-E1-B8

<400> 11763

acaancgtgt cattganagg ttcgagaagg aggctgctga natgaacaat aggtccttca 60
agtacccatg ggttttggac aaacttaagg ctgaccgtga ncgtgggtatc ancattgaca 120
ttgcnc 126

<210> 11764

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-100-Q1-E1-B9

<400> 11764

cnngggncga nccangcgtc aatctnnnat ngganaacag catcgcgctgc tactcacgtg 60
ggatccttcc cccaagtgtc tcttctcaac gatcctctac attggtctct cctccttctc 120
acnccacatc ctccagcttc aagcgtctaa aatcgagctc aatcttcgga gattcactac 180
gattagcacc aaaatcgcaa cttaaagcca caaaagctaa gagcaatggt gcttcaactg 240
tgaccaaattg tgaaattggc canagcttgg aagagttttt ggcacaagca actcctgaca 300
agggattgag aactttgctg atgtgtatgg ganaagcatt gaagaataat agcttttana 360
gttagaacag cttcttgctg tggaacannt tgtgttaatt cccttgggga anaacnaatc 420
cccgnttnga nat 433

<210> 11765

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-H5

<400> 11765

ctgctgtaga gcttactact cttcccctaa tactgaaggt tttataattc tacactgacc 60
ctatactttt gtgatgtttt atttctttaa aacagtattc tttacctatc ccatgtctgg 120
ggaaaagtgc aaaatattta tgaaggcatc attttattgt tttcgctctc cgaatgtttt 180
gtggtgcctt ttttccatta ttattggcct ttttactgtc tggaggatta atattatttg 240

acaaatctac ttctatccat ttgtgactcc cagaattaga atggtctttc tcaactgttat 300
 atttatactc tcagtgtgta tcagtctgtg gaagtttctt gtttactaat aatgtctatt 360
 tatgctctga atttgatcct gggaattgtt tcccaaaag 399

<210> 11766
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-F12
 <400> 11766

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 actcattcct caaaacctgt gaagctgttg atctggagct tgagcatcac cgaaagatag 120
 attctttcaa cagcggtagc accgctctaa ccattgtgag acaggggtgat gttatttata 180
 tagcaaacgt cggggattca cgtgcggtat tggccacagt ttcagacgaa ggaagcttgg 240
 tcgcggttca gctcacgta gatttcaagc caaacctgcc tcaggaggaa gagcggataa 300
 tcggatgcaa cgggagagta ttttgcttcc aagatgagcc aggggtccac cgtgtatggc 360
 aaccaagtag atgaatctcc ggggctcgca atgtcaanaa cattcgg 407

<210> 11767
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-F2
 <400> 11767

attgtggctg atcgttatgg aagaaaacc attatactct tgggaactat ctcaattgca 60
 attttcaacg ctcttttttg cttgagctca aatttttggg tggcaattgg cacaaggttt 120
 cttcttggga gtttcaactg tttgcttggg acaatgaagg cctatgcac agaaatattt 180
 cgtgatgaat atcaagctac cgcaatgtca gctgttagta ctgcttgggg cattggactg 240
 atcattggcc ctgctcttgg agggtttttt agctcagccg gcagacaaat atccaaatgt 300
 gttctcccaa gaatctcttt ttggcagatt ccggtatgca ttgccttgct ttacnattca 360

ncctttgcct tgccttgtga aaatactag

389

<210> 11768
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-F4

<400> 11768

ggnnngnaat ttattcnncg ccacgggtcaa catccgggcc gaccacgcg tcntcncttc 60
tgagttctga cctgagcaca cacacagaga ttttgattgt gtcactcatg ggaacccaat 120
atttaccaac ttgccctcgc ggctctattc ggagcttctc tcgttgctgt ttctggggtt 180
ttcatgcatt tcaaggcact gaatctagtc cttgagcgtg gtaaggagcg taaagagaac 240
cctgatggag acgagcctca aaatccgacc ttggtagaggc ggcggagcca agttagaagg 300
aaggttaatg accaatatgg tcgcagtcct gcttctcttc cagatgccac tccttttacc 360
gatggtagcg gcggcgccg cggtgataca ggacggagca acggtcacgt ttaagtcgat 420
gaaattcctc ctggctctcc ctaagcttca tacgccatct gaagggaa 468

<210> 11769
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-F7

<400> 11769

gaggacaccg actctgagga agagctcaag gaagcattcc gggttttcga caaggaccag 60
aacggtttca tctcagcagc tgagctccgc catgtgatga caaaccttgg tgagaagctt 120
actgatgaag aagttgatga gatgatcaag gaagctgatg ttgatggtga tggtcagatt 180
aactacgaag agtttggtta ggtcatgatg gctaagtgat gctgttttag aaccaaacia 240
tggtctata aacttggttt gcatctctta catataaatt cttatgttat gttctataat 300
ttttattcat gggactcgag gtatgttttc tgcttggtta agacgcgaat gttttaaccc 360
ctttaagccc aattttgcgt cgaacatttt caaaagc 397

<210> 11770
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-G1

<400> 11770

ttcgagagat naaccggacc agaccggcaa ttgtatatcc actggaaagt cgggtctaag 60
 tccggttcaa gactgtgggt angctattcg gagtcaacat tttcaatgtg agtaacgaga 120
 aaccaaacga cgtcgcagta gagtgtgttg gcaagaagag atctcgggaa gatgatttgt 180
 tttcgttagg gtgttccaag aagcaggcga ttatcaacat cttgtgacaa attctttttt 240
 tttgggtttt tttcttcaat ttgtttctcc tttttcaata ttttgtattg aaatgacaag 300
 ttgtaaatta cgacaagaca agaaaaaatg acaactagac aanatagttt ttgtttacat 360
 ccnaatttag gattctg 377

<210> 11771
 <211> 124
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-G11

<400> 11771

aaggatgtca tgtcacaaca naacatgtac ncccaattat taccactggc tctagccgca 60
 ccaccgatgc caggaatggg angtggcggg tatgggtccac cancatatca tgggtggaat 120
 gcna 124

<210> 11772
 <211> 380
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-G12

<400> 11772

cttggttctt ttccataagc ttataacata tatttttttt aaaatctact ctgcgttaaa 60

aaaatgaaaa cacgtagcag cagtgtgggt aagatcaaag ggtgtttctc gatcagtttc 120
 atattcagat gtatcagagt tctcattaac agatctgttt ctttttcctt atctgattaa 180
 acaatttcct tcagaatttt acttttttga acatatatag tttttctctg ttcctatatc 240
 ttgagttttg tgagagggtta attatatgaa attttacgca ttattgttca tctatatcga 300
 aaaacaatgt caagaaagcc atgttgcgtc ggagaaggct tgaagaaagg agcatggacc 360
 accgaggagg acaagaaact 380

<210> 11773
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-G2

<400> 11773
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 aatgcttngg tccgtcctaa gcctttccaa acaactngcg aaagggagtt tactttaacg 120
 ggacaaggaa agttggtttg ttgtccgatg gtgaaagaag aatttgtctc tcggggaggt 180
 ttggttcgac aaaagatgaa gtacatgaga ttccttagga aacgtatgaa cactaagcct 240
 tctcatggtc ctattcactt tcgtgtcct tccaagatct tctggcgcac tgttcgcggg 300
 gaatgattcc acacaagacc aagcgtggtg ctgctgcact ttgctgcct tgaaagggtt 360
 ttgagggga atcccaacct ccttacgaca aggattaaga agaatgggnt aatccctgga 420
 tgctccttaa aggtttttga gaacttcag agtgg 455

<210> 11774
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-G5

<400> 11774
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 tttaccgct tttagcccg tggttcctcc caccgtgact gttccaccg ccgtcgtccc 120

ggagattctc tcctttggac aacaagcacc ggaaccacct cttcaccacc caaaacccac 180
cgagcaatct cacgatggtc tcgatctctc cgatcaagcc cgtcttttct cctctatccc 240
aacctctgat ctctccggtt ccaccgccgt gttgcatgcg gcggcgatag gtcctatggg 300
cgacctaggg acgtgggtca tgagctctaa acttatggac gcttcgggtga cgcgtggcat 360
ggttttangg cttgtgaaaa gtacgtttta agaacaattt ngcgccgggg 410

<210> 11775
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-G6

<400> 11775

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accatcgttt tttcaggttt atcattgttt atcgcatctt tctggaggat ctagccgctg 120
ctatcatgaa gttcttggag tacactaacc tagacagatt gaatgttttt ctgggtcatc 180
ttaatctcgg ggaaaggact atcaaagggt gcttggaagc ttattcttgc aaacatgcag 240
gaagtgataa aagattgtct cttagtttgg agaagatgat gcttgattat cttgggaaat 300
cttctgacac cgactcttct tcaccggttg atctcttggt aagcagatna agtcgaaagg 360
cttgatcnac ttgggtccta aagcccaaca aatgtnaccc ggactacnat 410

<210> 11776
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-G7

<400> 11776

cataaatact aatggagcac caccaccagc atcacgtca ccaccaacgc gacgacggag 60
aagacgatcg tcaatccttt ggagtaccac cgccacacgt cgatgctccg ccacaacctc 120
atggctctta ccagtcacag cctcattttg atccttacgc gcctactcct caagctccgg 180
cgccttaccg atcagaaact caattcgaac cccacgcgcc tccgccttac cgatcagagc 240

cttactttga aactccggca ccaccgcctt catttgggtca tgtgagtcac gttgggtcacc 300
aatcacccaa cgaatcttac ccaccggaac ancaccgtta cggaggggtta tcaancagcc 360
gttctaattc cttactggga aagtcattga gattacagt gngtcacg 408

<210> 11777
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-G8

<400> 11777

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cttcaggggt gattcttatg gacctgacac aagagataac gatgagattg tcctcatgga 120
cgcgaccggg aagtgtctcc ttaccgttaa acgaaagaga ccaactctac accaaagatg 180
ggaaggtttt ctcggcgaga gatcggaagg tcagaaaccg atattcagcg tccgtagatc 240
gtcgataatc ggacgggtga cgatggaagt agaagtttac gacggaacag gagaagagta 300
cattatcgat ggagacttct cgcaacgaag ctgtctcata tacgacacga agaaatgtac 360
tgtggctgag atnaaacgca aagtttagacg cgtcaacgaa cgttgatgct t 411

<210> 11778
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-H1

<400> 11778

aacgttttcc tctgtggtaa ctccggcggc ttttgagata ggcagcctcc cgacaaccga 60
gataccgggt gatccggtgg aaaatgattc aacagcaccg ccaaaaccgg tgagaatcac 120
ctgtccaaca gtgcgcggaa cttatcccggt cgtttttattc ttccatggct tttatcttcg 180
caactacttc tactctgacg ttcttaacca catcgcttcg catgggttaca ttcttgtagc 240
cccacagttg tgcaaattat tgccgcccggg agggcaagtg gaagtggacg atgctggaag 300
tgtgataaac tgggcatcgg aaaactcaaa gctcaactaa caacttcggt aaatgctaata 360
ggaaaataca cctcactcgt gggcca 386

<210> 11779
 <211> 310
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-H10

<400> 11779

tgctggaaac agggagaatt tcatcaacga gcttgctcagg agaatgaatt gatgaaagct 60
 tccttcttta tctttgcaaa tttcaaagat tttgggaccg agtttttttt ttttttttgt 120
 tcaagttatc agagacttgt gatcttttat ccgagatagg ctttttatga ctaatcatgt 180
 tattttccaa tggcgggctt ttaaattgat cttgaatttt tattggctgt taaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanccaaaaa aaaaaaaaaa 300
 aaaggggngg 310

<210> 11780
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-H11

<400> 11780

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 taaaggtcct cttgaaatga tggaatctct cgaacaagtc ttacctgtta ggaaagggat 120
 atcgaagtat tacagtggaa agtcaaagtc ttttactaat ttaacggcgg aggcagcttc 180
 ggcgttgact tcttcttcgt cgatgaaaga tttagcgaag ccggagaatc cttacagtag 240
 gaggaggagg aatctcctct gccatcagat ttgggaaaat aacaagacga ctccacgtgg 300
 tgggatctcg aagaaacacg ttatgagttc tagcagaagc gctttgacgc tagctatggc 360
 tgttgcggtt ggtgtgatga ccggagaagg atctcctccg gaggtgactc ct 412

<210> 11781
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-H2

<400> 11781

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natcgaacct atgaaagctt tccactgggg aaaagatgtg agcattgaga atctgcatca 120
aggttacaca caacatcntt gaatccacat ttgagagtaa agaagctgtt gcagagtaca 180
ttgctcatcc tgctcacgtt gaattcgcca ccatcttctt tggcagcttg gataaagttt 240
tggttattga ctacaagcct acctctgtct ctctctaatt atcttgtagc aacattttca 300
tcattgatct ttttccccgg gtatgcatcc tggatatgtg aataaagtat aatcct 356

<210> 11782
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-F11

<400> 11782

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ctatggcgaa gaagattgga gtaacgatgg aagttgggaa cgatggtgtt gctgtcatca 120
ccattttctaa ccctcctgtt aactcttttag ccagtcctaat tattttctggg ttgaaggaga 180
agtttcgtga cgccaatcaa aggaatgatg ttaaggccat cgtgttgatc gggaacaatg 240
gaagattttc ggggtggttt gatatcaatg tctttcagca agttcataag actggggatt 300
tatcgcttat gcctgaagta tctgttgagc ttgtgtgtaa cctgatggaa gactccaagg 360
aagccggttg ttgctgcagt tgaaggatta actccttggg tgggtggttg gaactt 416

<210> 11783
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-C5

<400> 11783

ggnanagnan cattttctag ncnttggtac cgaaactgta aattcncggg ccgacccacg 60

cgtcnaaaat ctttgaattt tatggcaacc cgtcttctcc gaacaaactt tatccggcga 120
 tcttaccgtt tacccgcttt tagcccggtg ggtcctccca ccgtgactgc ttccaccgcc 180
 gtcgtcccg agattctctc ctttggacaa cangcaccgg aaccacctct tcaccacca 240
 aaaccaccg agcaatctca cgatggtctc gatctctcng atcaagcccg tcntttctcc 300
 tcnatcncaa cctctgatct cctccgtnc c atcgccgtgt tncatgcggc ggcgataagt 360
 cctatggttn acctaaggac gtgggtcatg angctntaaa cttatggang 410

<210> 11784
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C6

<400> 11784
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 actctctca agattatagg aattcatctt ggtttgcctc acgtcgcagc tcaaaatgga 120
 cttggacgta atggtgctaa ggtctttggt gctnctgatg atttatctga ctacagctact 180
 agcactgaag tttcatanna ancagangct tgtggtgtgc ggaacaatat atcttcacat 240
 antgaatttg aaagacgaaa tgttgaggct ggaacttcag gaangactct gaacgggaca 300
 agcattcaa caagttcatt gcctcgtttc cccaannttt catgcgagtt aagcaanggt 360
 ccatgggtct gccnatgatt g 381

<210> 11785
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C7

<400> 11785
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 aagaaatcag agagaatgtc gtggcaagca tacgttgatg agcatttgat gtgtgatgtc 120
 ggcgacggcc aaggtcacca ccttaccgcc gccgctatca tcggccatga tggtagcggt 180

tgggctcaga gcgctaattt tcctcagttc aaacctcaag agatcacaga cattatgaag 240
 gatttcgatg agcctgggtca cctcgctccc acgggtatgt tcctcgcagg gctaaagtat 300
 atggatcatcc aaggcgancc taatgctgtc atccgtggca agaagggagc tgggggaatc 360
 acgatcaaga anacaggaca ancaatgggt gtttgggtctg tannaagnag ccag 414

<210> 11786
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-C8

 <400> 11786

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 ttgagacaaa agaagacaca caaccaagtc tggacctgaa agaggataaa gaaacagagg 120
 aagcagagac attcaagacc gtcttttcgt ctgatgaggt aagatcttct gctgttcaag 180
 aagaacaatt tggatgaacat acggaacctt gtagctcgga gattaaagat gagagccatg 240
 gaaaagaaga atctgttgag gtcaaattctc aggagactgt tcaagacgaa aacactgagg 300
 acaagcatga tgtacttaaa gttccatcta cagaatcaga gaagtatcaa ggcaangaac 360
 cccgagacag ttctagtctc caatacagga agctatgaga a 401

<210> 11787
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-099-Q1-E1-C9

 <400> 11787

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 gagcttcttt tattgccagc cctcgttggc aagatccgtc tagctacgct tccttaatca 120
 tgcctcaagg agttgtcccg gttcaaggat ggaaccctta cagtgggtcag ctcggtcag 180
 tttctccttc aggtaccgga aatgatcaaa actacagaaa ttacagcag aacgagacaa 240
 tagagtcagg ctctcagtct caaggatcat tctcgggtta caatccggga tcctctgttc 300
 cgctaggagg gtattatgca ttgccgaggg aaaatgtgtt cccgagaga ccaagacaac 360

cccgaatgcc aattctacat gaagacaggt gactgcaaat ttggcacagt ttgcaaattt 420
ca 422

<210> 11788
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-D10

<400> 11788

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cgctgtcaaa gcagcagacc ttgacattgc tggcataatg ggaatgggtt ttccacctta 120
cagaggagga atcatgttct gggctgattc catcggatcg aaatacattt actcgaggct 180
ggatgagtgg tcgaaggctt atggtgaatt cttcaagcct tgtgcttttt tggctgagag 240
gggatctaaa ggagttcttt tgagcgctcc cgtgaaacaa gccaaagctca cggttgtaag 300
gtcagcggtt cagtggaacc atttctccat tggtnatct tctgtgtttt cctnangttc 360
acatttanct tagcccggga aagtggggta nccgttnggg cngccaagaa nggttttttag 420

<210> 11789
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-D12

<400> 11789

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tccttcttta tctttgcaaa tttcaaagat tttgggaccg agtttttttt ttttttttgt 120
tcaagttatc agagacttgt gatcttttat ccgagatagg ctttttatga ctaatcatgt 180
tattttccaa tggcgggctt ttaaattgat cttgaatttt tattggctgt taaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaccaaaaa aaaaaaaaaa 300
aaaggggcgg 310

<210> 11790

<211> 393
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-099-Q1-E1-D4

 <400> 11790

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 tgtgagactg ggaattggtc tttgtcgtta taagttgggg caactagata aagcacggca 120
 agcgtttgat cgcgttttgc agctagatcc tgataatggt gaggtctctg tggcacttgg 180
 gattatggat ttgcaagcaa atgattctat aggaatgagg aaaggaatgg acagaatgca 240
 gcaggcattc gagatttatc cctattgcgc atcaagcctt aaattatttg gccaatcact 300
 tttttttcac cggccaacac tttcttggtg agcagctgac tgaaacagca ttagccgtca 360
 caactcatgg ggccaacaaa gtcacattct ttt 393

<210> 11791
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-D7

 <400> 11791

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 cgcgtccncg gacgcgtggg cggacgcgtg ggcggacgcg tgggtgacgc aggtgaagaa 120
 tctacagaag ataaacgcta gggaatcaga tttaggaata tctgatgaag cttcatggca 180
 cgctaagtac aaaaactctg catatgtcta cgctggaggc ataccgttcg atctcaccga 240
 aggtgatctt ctgcctgtct tctctcaata tgggtgaaatt gttgatgtca atcttattcg 300
 agacaaggga acgggtaaat ctaaaggttt tgcttttctt gcttatgaag atcagagaag 360
 taccattctt gctgttgata atctgaatgg agctcttgtg ttgggacgga ccattaaggt 420
 ggaccattgt ggggcataca aaaagcacga agaagaggat gaaagagacg cgacgccca 478

<210> 11792
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-D9

<400> 11792

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accgggaaaa atctccggag atcccaccgt cgttaccgtc aattgtcctg atgaatccgg 120
tctcggttca actctgtgta gaatcatcct cgaatttggt ctctccatta cccgagcaga 180
tttttcaaca gatggaagat ggtgttatat agtgttttgg gttactccag atattagctc 240
tcctaaaatt gattgggaca gcttaaagaa tcgtctttta tcaagcttgt ctttcttgct 300
taggctcttt cnacttctgc cttcaatcca aagtcccca acctccttcc ctttaacctc 360
ctcaaagttc ctttgccgtg atangaaaag gattgccttc atgaatgt 408

<210> 11793
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-E10

<400> 11793

gggattggta ggaactttct taggtgttgg catggtcgta aagactctcc tctcgaagtt 60
gttgactta acgacagtgg tgggtgtcaag aatgcacccc acttgcttaa gtatgactcc 120
atgcttgga ccttcaaggc tgaagtgaag attgtggaca atgaaactat tagtggtgat 180
ggtaagctca tcaaagttgt ctccaacaga gaccctctta agcttccatg ggctgagctc 240
ggcattgaca ttgttatcga gggaacagga gtgtttgttg atgggccagg agcagggaag 300
catatccaag ccggagcctc gaaagttatc atcactgcac caagccaagg tgctgatatc 360
ctacctatgt tatgggagtc aatgancaag actatgggtc cgatgtcgcn g 411

<210> 11794
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-099-Q1-E1-E2

<400> 11794

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 cggcgacgac gatgagctcc gaagcaaaac agttttctctt ccgagaagaa tctcgtttac 120
 gattcttctt cttcttctgt taatctcctt gagtacaagg gtctctgggt cgtagacaa 180
 atctggaaga agagtgattg aagcgagaac tgggcaagac ttgatttggg ttgttcagct 240
 atccgatctc catttcagtg tccatcatcc tgaaagagcc attgatttca aaaacattgt 300
 gggctctgct ctggctctta tcaacccttc tctcgtctta atcaccggtg atctcacaga 360
 tgggaaaagc aaagacatgt ttaacaatga agttaaatga agatgagtgg t 411

<210> 11795
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-E5
 <400> 11795

agaaaaaaaa aaaaaaaggc aaagagagag cttcaatgga gttagcttct ttccttggtgta 60
 gagctctggt tggttccgta tttcttctct ccgcatggca agagttcaat gattttgggtg 120
 aagatgggtgg ccgatcagct aaatctttga aacaaaaatt caatgccttt gtaaaccatg 180
 tgacaactca cactggccag caattgccac cagtcgatat gaagattctt gttgctgctg 240
 ctatagcctt gaaggggtatt gggggactat tgtttgtctt tggcagctca ttgggagctt 300
 atctcttgct tctgcatcaa gccgttgcca ncccaattct gtatgaattc tacaactacn 360
 atgttgaca 369

<210> 11796
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-099-Q1-E1-E7
 <400> 11796

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 gtcnccac gcgtccgcgg acgcgtgggc ggacgcgtgg gnggacgcgt ggggatagta 120

taagcttctt tgggggttctc agannagcng tatcagaatc gnatatagga gtaatgggag 180
gtaccggaaa gtatgtgaat gcgaggggat tcgogattct gaagacgttt acaggatcta 240
tcgggaacgca gcagaatcag ncgcatcagt tcaactgatgg gcttganact gttgttgagt 300
gtaccgttta tctttcttac tanttttatt tttcttcttt tgttgggggtt tgggaatggt 360
tgggtgtgtat gttatgtgtg tcattttgtaa tctaaatatg aaatttgtgt aanaaaattg 420
tatgtaattt tgtttcgtnt cttgaangtt actgatttgt tttgggaaca nnaaant 477

<210> 11797
<211> 486
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-099-Q1-E1-E9
<400> 11797

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ntcagctgag aaccaagaaa acaaaataat aataaaaaac cctaattccc cgctccactt 120
ctctctctca cgctctctct gtgatttttag tatggaagca acggcggagg aatcagttag 180
tactcttggt acgacgatgg ttgatgagac gtatgagttc ttagcgcctc gatggtttga 240
tttcgttaat ggagagactg aagatgagtc tcgccgagca gaactctggt ttcaatcggc 300
cttaagctgc gctccttctc cttcggttcc tagaatcaaa gcaaggagat cgttcaagggt 360
agaggccatg tgcaacttca atgaagctga agaagagacg ctcaaggata atagagccgt 420
tagaaccagt agttccaatt gtttctttac aatcgcagcc ttctnaggcc aagaaagcag 480
angttg 486

<210> 11798
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-099-Q1-E1-C4
<400> 11798

aataccaaaa acaagtcata agaatcaaat ggagttctct atcaatcctt caactctaaa 60

gatgattcgg acaagttttt gtatattagt agttttggca attagtagtt tttcgatgat 120
ggaagctcgg gatctagcta gcaaaggaaa gacaaatatt gaatatatgg cggtgaattg 180
tcgaaaacat accgcagttt tgacagaatt tggagcagtt ggtgatggaa agacctcgaa 240
cacaaaagcg ttcaaagaag ccataaccaa gcttgctcca aaggcagccg acggtggagt 300
gcaactcatt gttccaccaa gaaaatggct aaccggaagt ttcaacctca ccaagccatt 360
tttactttgt tcatccaaaa aaggtgcaac taa 393

<210> 11799
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-B1

<400> 11799
nnngngnagn ttctcnagcc gggacggtac cgnncngnncn cgggtcgacc cacgcgtccg 60
cccaagcgtc cgcccacgcg tccgcaaact cagtgagtga gtcaccgaaa acctcttgta 120
gtagattcgt gacgggtttg atcatctctt cgaggctcgg tctagggttt cactacgaga 180
atggacggag atgagctcac cgagcaggaa actgctcttt atgaccgtca aattagggtgta 240
tggggagctg gtgctcaaag aagattgagt aaatctcatg ttttggtatc tggaattaag 300
ggcactgttg ctgagttttg taagaacatt gtgttgcan gagtaggtag tgtgactctg 360
ttggatgata gattggttac aacgggaagt cttcaacgca aacttccttg attcctccct 420
gatgaaaatg cntaagttn gaaaaccgtt actgaaaatt tgttgtgant cacttaangg 480
attttaaccc 490

<210> 11800
<211> 264
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-B11

<400> 11800
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ctatTTTTatg agcagagtga tgtaaATcat accgtgattt aattacggat tacaacgaag 120
 agcttggncA aaatgtttgc acggaagcat tgTTaattta ttgtacaagg tgtgatactt 180
 acagaaaggc anaacagtgt aacaaatgta gtaagtgcct tgcatttcac ggTTTTgcaa 240
 attgttgag aatantnnna ataa 264

<210> 11801
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-B2
 <400> 11801

ttctgtacgt ctctctgggt aagaaagaaa aantgaagga cgaaacggga aaccctctgc 60
 atatcaagtc tttgaatcac atctctcttc nctgtcgatc cgtcgaggaa tccattagct 120
 ttaccanna cgTTTTaggg ttcctcccta ttcgcagacc tgactctttt gatttcgatg 180
 gcgcgtggtt gtttggacat ggaattggga ttcattcttct tcaatctcct gaacctgaga 240
 aattactcaa gaaaacaaga gattaatccc aaggataatc acatttcttt ccantgcgan 300
 agcatggaag cagtggataa gaagctcaag gganaaggag atagaagtna tgtgagaaca 360
 atgggttgaa gaaaggtggc aaccaaagtt ggancaagct cctccttcan gnancctgga 420
 tg 422

<210> 11802
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-B5
 <400> 11802

gnnnnngnann nttatcnagc cgnncngtac cgatcngaaa ttcnogggnc gacccacgcg 60
 tccnctttca tccataaact tctatTTTTc tcatcgcaaa cttgaaccgt cgtaacccta 120
 aatcgccatc ttcattcatg gcaaatcgaa tctccgatta tatatcaaAT agcttaccaa 180
 atccgacatg acccaggccc tcgttttcgg aggactataa tgatcggaact ctctgtgtcc 240

cgtctcgatt gcatgggggtt tgagctatgc cggagcttcg ccgtgggagtc cgccgtggcc 300
 gtgttactga tgctgtagct cccaatcaag cttccgcaaa cacctacaga aaagaaaccg 360
 aagaagagta ncggttaaagc tccaaaancg gttgccggcg gagttacagg agttgcagag 420
 angccgagga ctaagattag cggcgangaa attaaaggag gaagataaag agataactcaa 480
 ggagattccg 490

<210> 11803
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-B6
 <400> 11803

aaaaatagtt gtaaataagag agaaaaataa ggcgggggaaa aggatcacga ttcacaaaat 60
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 gaattgaggt ttgagatttc tgggtgattt ggtctaggct atataagttt ttagaacaag 180
 acggagctga aggaatcatt gtgtttttgg ttgatgagtt tagattttaga ttagtgccct 240
 agtggtttgt ttctatatct tattttgagg agcatatggg aaagagaaac acgtcttggg 300
 ctagaaattc naatanaaag gttanatcta aggataaggg ttcagatgag tcanatgagg 360
 attangtgat ttccgacgag gatnaanaat ntccgaaggc tgatttcaag ggngganttt 420
 c 421

<210> 11804
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-B8
 <400> 11804

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 cngtgctgga ggactgagtt tgctgcaatt ctgcaacctg aatagcttca ggacattatt 120
 catactgggc ttctcaatct tcctaggcct atcaattcca caatatttca acgagcacac 180

agccatcaaa ggctatggtc cagttcatac cggggcaaga tggttcaacg acatgggtcaa 240
 tgtgcccttc tcgtccaagg cctttgtggg aggatgtgtg gcttacttgt tggacacgac 300
 gcttcacaag aaagatgggt cgatcaggaa agaccgaggt aaacactggg gggacaaatt 360
 ctgggacttt caagaacgac ccganaacag aagagttcta tgctcctccg ttcaacctca 420
 acaaatatcc ccttcgtcga aaaaaaatcc ntccaaactt taaggnaatg cggttttngc 480
 nantttt 487

<210> 11805
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-B9

<400> 11805
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 agggaaagag aaatcttcga ataagaagga aacttctaga ggaaatgtta aggagggatc 120
 aaaaacagct ggaggtgaag aagctgtgtc taatgtgaca aagcagaagg ctgctgctgc 180
 gaaacagtat attgaaaatc attacaaaaa acaagttcaa agtcagcagc aaagaaaaga 240
 gcggcgatgat atgctggaaa ataagttagc tgctgcagaa gtctctgagg aagagcaaaa 300
 gaatctgctt aaggatttaa gagaaagaan gaaactgaat acatgcgccg tcagagacat 360
 aaaatgggga actgatgact ttcaagccat tgacaatgat ag 402

<210> 11806
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C1

<400> 11806
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 gagagaatat ttgaggtgga tatggcctcg acccttttct ccagaacttt cttggctgct 120
 agtcaccgac tgattactcc ttctcttccg caaaagatct ttaatccagc cacctttctc 180

agtaggtcac tccactetca gttaggctcc gttctacag cctataaatc aactacttgg 240
gctcgtcgag ctatggcttc tacgggagtt gagacaaaag ccggttactc cacatcatcn 300
gtatcaacca ntgaacctgt tgtttccgtn gattgggttn aggcaaacct taaaaaacct 360
gatttgaaat tttggatgct caagggnaaa gcccgatnaa caaaaaaa 408

<210> 11807
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-C10
<400> 11807

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gatgggtctct ggagagcgtc atttgatgaa ttcttcaacc ttcttaccaa atactgcaga 120
agcaagtatg acacaatccg tggacagAAC caagggagtg cagcggatgt tttggagctg 180
gcgataaaga gggaaatgcc cgctgagctt ttacgtgcga gtctgcgtca caccaatgac 240
gaccagagga actattttatt aaactttggt cgtaaaccat cagcaattag tgagtcggca 300
tctcatgcaa ggggtggaca gatcaactct gaatctgtga ggggttaata aaaaagaaag 360
agaaaccatg tgcttggaaag attccaattc ctggnntcat ggctgtgggtg ntgg 414

<210> 11808
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-C12
<400> 11808

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aaagtaggag aagaagaagc taaaacatat aagaatggtt tcgagagaac acaagagagg 120
ttcctctctg cgtgagaagt ttcatttgct tcgttcaatc actgattctc atgctgagag 180
cgaaacatct atcatagtgg atgcatcaaa atatatcaaa aagcttaagc agaaggtaga 240
aaaaatcaac aatgcgacca cgtctgagca atctttccgt gaatcttccg atccaaatcc 300

tatgggttaca gtggaaaccc tagagaaggg gttcatgata aaggtaatgt caaggaagaa 360
 tgaggcaagc atgttggttt gtgttccttg aaancntttg aanaatctng g 411

<210> 11809
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C2

<400> 11809

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 tgctttgggc tccaaaatac ctgcagaagc tgtaccgcca ccgactacta ttgtagatgc 180
 agagacgaac gaagcttctg aaactaaaaa taaaattcct gtgctactga tagctactgg 240
 aattgctgtg tcattagcta tctgcaaggc tgggggctttg ctaacaaagt acttcggaat 300
 ttcggttggt agcttaacgg ctataacagc gggtgtgtgn aatttagcaa ctgtcttccg 360
 tccaattggt cgtccttgct ccaatctgga gaaaccaagg gtcnaattt tgatncaagt 420
 gttctcca 428

<210> 11810
 <211> 260
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C3

<400> 11810

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 ttgcgtttgt gactcttttg gtagcantag ctttgcagcc actaccgtca gtgttgcttt 120
 tggacgttca ncttcttctg gcagctagcc gcaaagcaca atgtgacatc gatacttggt 180
 tttggagant ctagtgtcga ttcanggaac aataatttca ttangnaccg aaatgaaagg 240
 gaantttcca ccttanggtg 260

<210> 11811

<211> 391
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C6

<400> 11811

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 ataaacaaac gatcctgttt ttatggaaaa tttaatgaaa cagtgcagat tcttctacac 180
 ttctttataa tgacaaacat ttcatagtag caaaatacac aaataccttt tctttatnct 240
 tctcancctt ctctgtttct ttatcattca tggntccaaa ttcagtagca ntgacaatgg 300
 ganaanccag acaacttccc ttactagag atnaacggnt caaattcatn ctcaatcccc 360
 gaaaaacggt aatccaaaca ntccaaaaan a 391

<210> 11812
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C7

<400> 11812

gagaggttcc ctactatgtg gacgtnatcg ttgtaattgc tttanccgca aca 53

<210> 11813
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-C8

<400> 11813

aaagggtaaa gcagcaaaac cctaataaaa tcacaacaaa ttaacacaaa aaaaccagat 60
 cttaaaactc tctctaccca ccaagaggat caaccagtct cttccccttc anattctcct 120
 ttnacagtg aatggatcaa cagcaccatg gacagtctgg agctatgaac tatggcacia 180
 acncatacca tnccaacccg atgagcanca ctgcnctac tgtagcagga ggtgcggcac 240

aaccaggcca gctggcgttc caccagatcc atcagcagca gcagcagcaa cagctgggca 300
cagcaacttc angcattttg ggagaaccaa ttcaaaagag attganaaga ctaccggatt 360
taaggaacca cagcctttcn ccttgcgaaa atcnaggagn atccatggaa ngcgggnttn 420
aanaatttcc gnttnatt 438

<210> 11814
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-C9
<400> 11814

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ggctcgggta tctttttctt accatatttt ttgtttcttc gttaagacga ttgtttggta 180
atgtcgtcac cagacattgt cggaattttg gaaaacacga aggaacttga tcgggtaag 240
aaagaccaag aagaagtttt ggttgagatc aataagatgc ataaaaagct tcaagcttct 300
cctgagataa ttgagaagcc tgggtggataa ttcatagcaa aagcctaaag aaattgtaca 360
ntcaaagccg aaaagagctc tcanaaaaat gaaagntaac cgtatcgaac attttggtta 420
cncaattngg gtttg 435

<210> 11815
<211> 311
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-A9
<400> 11815

atttncgncg gttnggaaac nanattcctn gtnaattann acggtnacgg ncnaaccacn 60
gttacacaan tgcattcatt tccgggattt ggccatgttt caagaaactg cagactccca 120
ttttcgccgg gacaccaatg cagaaagtgt ttgaactctg gcactactta ccttcgtaat 180
ctcataggtg caagagacta ataacattac tctgtgtact tgcgtgatg cgacttatgc 240

tacattagca agccgaatag acgatacatc agctcttgaa ctccttaatt gtttcnttca 300
 agtgacagag c 311

<210> 11816
 <211> 314
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-G8
 <400> 11816

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 tgaagatttg ccttgtgaac gctttgctcc ggantctggct ctaaacctta accattccna 180
 actggactan tcaactgtctg tcaatcnatn caaaatctna atggacagac acacacacac 240
 acacactact agtganncca acggaaaaaaa aagtgagaca aatcaaggnt aaaganatgg 300
 aatnacaaaa tcaa 314

<210> 11817
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H1
 <400> 11817

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 gagagagaga tattactaca ccaatctttt caagaggtcc taacgaatta cccacaatca 180
 aggaaaccct tattgaaatt caattcattt ctttctttct gtgtttgtga ttttcccggy 240
 aaatattttt gggatatgtc tctctgtttt tgctttcctt tttcatagga gtcattgtgt 300
 cttcttgtcn tcctagcttc ttctaataaa gtccttctct tgtgaaaatc cccnaaat 360
 caatttgtcc antggagnat ctatagatca caccagagaa aat 403

<210> 11818
 <211> 202
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-H10

 <400> 11818

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 tctctcgata atccaacatg gtatcagagc caatgggttg ctttggttg ctctacaaaa 120
 ataagatgag ttccgctgcg aaaagaaaaa gagagattta gacaacaaat ctatgggtgag 180
 aagaagagga agaagaagaa ga 202

<210> 11819
 <211> 256
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H12

 <400> 11819

 atttgntacc cngcaggtac aagtcctccc gncncgact canacgtcng tanggatata 60
 gaaaatggca gatggtgaag acattcagcc tctcgtctgt gacaatggaa ccggaatggg 120
 taaggctgga tttgctggag atgatgcacc aagagctgta ttccctaaca tcgttggtcg 180
 tcctcgacac acaggtgtca tgggttggtat gggacaaaaa gatgcttacg ttggtgatga 240
 ggctcagtct aagagt 256

<210> 11820
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H3

 <400> 11820

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 gcaagaatcc agatgtttac taccatcggg tgcagacaat gttcctaata ggaagtgtgc 120
 aaaacggatc gataattgac ccgaagcaga tgccttacat tgctaagttc caggcatcaa 180

agattgaagg gtgtaagact gagttcatgg gaatagataa atgcactgat cctaagttct 240
 ggtggaatcg caaacagcta agctctaaag agaagacact gtacctaaac gcaaggaaga 300
 cgtacctgga ttatgactat tgttctgaca gacagcgata tccaaagggtg cctcaanaat 360
 gtggaagtta cacntagaga aaagtnaata cctgtcacan ggttaancct acaaaaaat 419

<210> 11821
 <211> 377
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H4
 <400> 11821

cancgaagac cggcncactc agcantgngt ctaccagtnt aaatcgtaat atggtgtnag 60
 ntggngnctg gaaatntggg cccaagacgt ntgacacatc tctgtgatg caattctcgc 120
 aggataagtc ctggcgtgtg cgttatatgg ttgcaaata gctctatgaa ctttgtgaag 180
 ctgtaggacc ggagccaact angacggatc tgggtgcctgc atatgctcgt ctactttgtg 240
 ataatgaggg agaagtcggt agaactgctg gaaaagttac aattttgtcc attaaacctg 300
 aactcgcac aacaaatctc ccgtgtaagg attacacann tctccacact cagtntgatg 360
 gatcantata atggaag 377

<210> 11822
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H5
 <400> 11822

attttgaaac cctaatttct cttcttttcc ccaaaaaaaaa atgtctgaag ttgagtaccg 60
 gtgctttgtc ggcggcttgc ctgggccacc aatgatgaag tcttcaaagg acgttctcac 120
 agttcggcga cgttatcgat tctaagatat taacgaccgc gagagtggaa gatcaanggg 180
 attcggattc gtcaccttca aggacgagaa agccatgagn ggatgcattg anaagatnaa 240
 cgtaagaacc tcaanggnnt tgtcatcacc ttnaacaagg nnantcgana ggtancggcg 300

gtggcngagg agncttggtg gaaccggtgg tggttacca ccngaggcgg tgggggaact 360
 caagaancgg tggcgngnt acccaanaag 390

<210> 11823
 <211> 385
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H7
 <400> 11823

gaattgttgc gcgacaatgg agaaatacaa cagtttatca gattttctca aggagttcta 60
 catccctacg tacgtcctct cggcggaac agaagaggag gaggaggagg agatcgtcct 120
 acacctgcca gccccgtcct tgtcttcac aactccaaa gcggtggcag ttgggtggcg 180
 aactcattct cacctaccga tctcttctca atcacaatca ggtctttgat ctcgaccaga 240
 gactccaata aaagtgtccg ccagaatcta cttaactgag aggtcaagat atgattcgnc 300
 ncagatcgga gaattaaatc attgtnagna gtntggactg tgggtggcct tgagttnatn 360
 gactaattgc aaatcncccc aatna 385

<210> 11824
 <211> 362
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-H8
 <400> 11824

gcagaaagtc tccantgnga aacatttgaa atttctgagg atgcgaattt cactgaggan 60
 aaaatcttac tgcagggtgt gtgcaacgtt gaccataggc ttggtactgg aggaggagcc 120
 cagcaaatac aggatcatcc ttggttcaag gatgttgtgt gggaaaactc tatgaaatgg 180
 agntgcgtac aaancagaan tgaacgacga gctaganaca caaaatttta tgaantttgt 240
 gaaatgaatc tctgactg aaagactaat cagaccccca ggaaatctc tgctccaaga 300
 ttaantttgt tggnaaatc aaaacttgcn ctgtaaagat ngncatcctg aatgcagaca 360
 nt 362

<210> 11825
 <211> 190
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-H9

 <400> 11825

 gatttgggtg atgtctttca tcatagcagg agctatttta ggaggaataa tccctggagt 60
 tactacaaca aagacagcga tcgcgtgtcc tctctattgc ttacaagtag agtacatgac 120
 atgtccttcc tccggcgctg acaagcttcc tccaagatgc aactggtgtc ttgctcccaa 180
 aaattgtact 190

<210> 11826
 <211> 76
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-A1

 <400> 11826

 agtatganag tgngattcaa gagtttgatc cttacatcaa ttataagagt cactcaagtt 60
 cntatcgaag actgga 76

<210> 11827
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-A10

 <400> 11827

 aacatacata aaaaatgggt gaatctttta gattattcaa tcatcatcac ttcctcacia 60
 cttttctcat aatcatagcc atgctcaa atggttcatac aacaacaaca acaactacia 120
 caacaacaac aaacaccgag ttcgtaaaat catcatgcac tttcacaacg tacccaagac 180
 tctgtttctc ttcactctca actcatgcta gtctcatcca aacaagcccc aagctcatgg 240
 ctcatgcggc tctcaacatc acattagcct cggctaaagt aacttcagca atgatggtgc 300

gtctctcgaa tagtcggctc aagcctaaag aagtctcggc catgagagac tgcgtcgagg 360
agttaggtga cacgttggag ggagcttang aaatcgattt ggtgag 406

<210> 11828
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-A11

<400> 11828

ctaagatttg ctgcttaagc tggtaagaat gtntgggtca caaatttact cgtcgctttc 60
cgctccctca tctgttgggtg tagatattga agctgancaa aggatggagc ggtacagttg 120
ttgctttgtc nagttcgaga aaatcaaggc ttgccttccc tcttttagcaa gaagaggaaa 180
tttggtggcc aanactctcc atgaacncaa cttnacattt naagaaattt caacgtgata 240
ccttttggan gtggaattgg gntcaangtg gagtttaaaa gtacnaaaag 290

<210> 11829
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-A3

<400> 11829

gncggtncag acnnnaattn gtcggtcgac gcatccgngg aagcgtgggt tagtcaccan 60
aanacttata aactccacan anagtttcaa tggccgcctc cacantggct ctctcctccc 120
ctgccttcgc cggaaaggct gtgaaccttt cccccgcggc atctgaagtc ctcggaagcg 180
gccgtgtgac aatgacgaag actgttgcca agccaaaggg tccatcangc agcccatggt 240
acggatnnna ccgagtcaag tacttgggtc cattctctgg cnagtcaccg anctacctta 300
ccggaaagtt ccccgagac tanggatggg acaccgctgg actttcagct gattccgaga 360
cattcgcaag gaaccgtnaa gctaaaaagt tttccacanc aaggtggggc tattgctccg 420
gagccctaag ggtgctcct nccctgagct tttggctaag aacggggtca nt 472

<210> 11830
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-A5

<400> 11830

nnnnnnnnna atgttacgcc gccnggcnnn ggtcnaaaca naaatgggcc cgcccgaccc 60
acgcgtccng tctctttctc cgtcgccacc gttcctaaaa cgtctcccg tttcttctaa 120
tggcgatcaa tcgtagctcc gatcatgaat ccgacgaaaa caccgctctt taccatcctt 180
accaagaact accaggtccc gatnaaatct cagtatctat acaagcttcc gacttctccg 240
gaatttctat tcacggaaga gtctctcaag cagcgtcgat catggggaga aaatctcact 300
ttctacacag ggacgggggtt atctaaccgg ctctgtaacc ggtgcttcaa ctggggatct 360
cctccggtat caaagagttt ccaaaatgga gacacgacga anctgaaaat caacaaggat 420
tttgaattcg tccgggcaag gcangtccta acttgggtaa taaggtttgg aatggttggg 480
ttatnaacnc agggaattga a 501

<210> 11831
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-098-Q1-E1-A6

<400> 11831

ttttctcat atcccttttt tctcaatata aatactctgc aaaaaaacac ccacaaatcc 60
tcacacaaaa acgttttcga aatccctaata ctactctctc ttctctatat ctctactctt 120
gagaaatggc tcttagaact gtgctcgtct ccgacgtccc tagcctcccg gattctgtct 180
acggtttatc cgaaggttta gagttgagca aaccgacgtc gtttaggtta ccgggggtttt 240
cgggtgattgg acatagagga atcggtatga atgtgttgca atcgtctgat cggagagcga 300
gaggtgttaa agaaaactcg attctttcat tcaattccgc cgctaagtat ccgattgaat 360
tcaatgagtt ccatgttcaa ggtgacaaaa ngatgatggc ccggcaattt tcaagaagga 420
t 421

<210> 11832
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-G7

<400> 11832

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attctccacg tagaatcaag agtacttctt ttccttaaatt ctctacaaaa aaaaaatcga 60
tctatatact aagagatcat aaatatagat tcatagacct atttaagaaa cgacttaaga 120
agctgttgga tcatatacca tataaaatag caatggatat gataacgaag atgggtgatgg 180
agagaccggg ggtgatttac agcaagagct cttgctgtat gtctcacacg atcaagactt 240
tgctctgcga tttcggagca aatccagcgg ttacgagct ggatgaagat atctagaagg 300
aaggggagatn gagcaggcgt ttgttnccgg ctcggggtgt agccccgcc agttccgggg 360
cgtttttcaa tgggtggaag agttggtccg gtgggagncc aacgaaggtc atggagtcca 420
acatncttaa cgg 433
```

<210> 11833
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-098-Q1-E1-A8

<400> 11833

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tgatcaaaca agtaaaccat tcaaaagatg aaaggaagaa ttttgatttt gagtttgctc 60
ataatgagtc tggatcatggc acaagttcaa gtagaagcaa agatctgctg cccttccaac 120
caagctagaa atggctatag tgtatgccgt ataaggtttt ccaagggaag gtgtatgcaa 180
gtgagtggat gccaaaactc tgatacatgc cctcgagggt gggtaaacgc cattctcgaa 240
aactcagctg atgctaccaa tgagcactgc aagttagggt gtgaaacttc tgtgtgtggt 300
gccatgaaca ctctccagaa ctctgatgca agtgaaattg tgaatggagc gtcggnacaa 360
tgtgccaagg gatgttcnan tttcngncca agaactatgt tatcccanct gggg 414
```

<210> 11834
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-D6

 <400> 11834

 gaaaaaatat gtattgtaga gagtccttgt cgagtcctcca gactttgaac gtagcaaaga 60
 gtctcagctc tttgttcctt aaacaatcag ctctcatcaa cccgatctcc gctggacgtc 120
 gaaacaacct gcctcgtcca aacctcagaa gacgatgtaa ggtcaccgct tcacgggcta 180
 atattgaaca agaaggtaac acagtgaaag aaccattca gaatattaaa gttaaaggat 240
 acataacggc ccaagaagag tttctggagg gcataacttg gtcgagaggt ctcgatgaca 300
 ttgctgatat ccgcggcaga tcattgctcg tcgaagctta ttagcgccaa gactgaccaa 360
 cggattacgg tagaagacta cgcacaacgt gtatgggccg aagcccctga tgaaaaagta 420
 cg 422

<210> 11835
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-E1

 <400> 11835

 nccgggtttc ctnaaatcc cggtttttaa atttgggtcc ctaaacaac cggttccana 60
 aattttaata a 71

<210> 11836
 <211> 165
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-E11

 <400> 11836

 gatcgtcaga ttcttttggg tgtcttcgtt gctttcgtcg ccgttgggtgc tgggtctgct 60
 tattttctta catcctccaa gaaacgcaga gtgtgtttgg atccagagaa tttcaaggag 120

ttcaagcttg ttaagagaca tcagcttagt cacaatgtgg ccaag 165

<210> 11837
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-E3

<400> 11837

tgttccann gacggaagat cccgtcacca gncgccagc tcgctcatct tggactnaaa 60
gtagatnatg ccnttactaa gntgggtgctg cncctgacg ngccacgttc ataacgtcca 120
catctccoga cgctcccctc gaacattaca gagacctgac atgataactc cagtgtggtt 180
ctcagggaca gccgttagac ccgagtaaga tccaagacca ctttgaggat ttctacgaag 240
atatTTTToga agaactcaac aagtttggtg aagtggagag tctcaatggt tgtgacaatc 300
ttgctgatca tatgattggg aatgtgtatg ttctgttaag gaggagggtca cgcactgctg 360
cgttgcangc ttgcanggaa anttaatccg ncnccanca ttgctga 407

<210> 11838
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-E5

<400> 11838

tttcaagtgg gggctaaacg gtgcagcggc tgcatttgat gtctcggctt ggggaatcgc 60
gatcgcgcag gttgtttatg ttgtagggtg gtgtaaagac ggttggaag ggctgtcttg 120
gttagcggtt caagacgttt ggccgttttt gaaactgtcg tttgcgtctg cggttatgct 180
ttgtctagag atttggtact tcatgacgat cattgtctta actggacatc ttgaaagacc 240
ctgtcataac ccgttgatn tcctctcaat ctgtatgaac attaatggaa tgggaaagga 300
atgttgntca aaaggaatca atncagccat aagtgttaan ggggtgtcnaa atgannctaa 360
ggatngggga catccaccga anctgcgaaa ataactcccg ttnatncgtt aacgngggaa 420
aaaantcccc nccnc 436

<210> 11839
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-E7

<400> 11839

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nccccagang gaagatccgg ncaccacctn actggttangt ctacacnaat ttgtcaaagg 60
gtgcgggttag agntcacgaa acataaactt cattctctag ctcttgattg ctcttaaagg 120
tgcattgttga agtgattgaa agcgatttac atgtgacttg cagctcgggc aagacattat 180
acattacact caacacgaag attgggaaag ggatgcttga gaatccaaag ttcgattttg 240
cacgctgttg gcaatcacia caaacgacaa caattactaa tgccttcaac caaagacttt 300
tatcaaaagc tccggggaag aaaggacaaa catgtccggt tgacagtaat gcaagacaaa 360
gtaatgctgg aagggtcngt gtcaaattgtc tgtcgataac agtaaccgtt gggttcnaaa 420
tgatgcnctt aattggccaa tcctggntt 449
```

<210> 11840
 <211> 329
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-E8

<400> 11840

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ttttaggggt ttttgcttat catcgctgctc tcagatcctg ctaaaaggaa aaatcttttg 60
ttctagattt cttcactctc gtcttttgat ctcttgggtt tttccctgtt ggtgtcacca 120
tcgttctcgt ttctcgatcg atcgttgagt caccggcggt aagcccgact tgagtcctag 180
ataatttaag attagntgta aaattgattt ggtgggttgg ttntgatttg accaaaactgt 240
ggggttgata aatggattga aatacaagan aaatatncct taatcgccaa ctcaacatga 300
ggttgcggaac acacgatgcc ccgaangaa 329
```

<210> 11841
 <211> 373
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-097-Q1-E1-F1

<400> 11841

aatttgatgc atcccttaag aaggttggtg agatgggntt gatcccacca ccactaaatt 60

gtttagnntg cggatgctta ccaaagagc gagaaaacga ttgaagaaaa antgtagtct 120

tanaatttan gtttactgtg gtgatgtatg ggaaatttca agaagactcc ttctntttga 180

aagtcccaag aagaaatatt gaagtcggtg aacgtttctaa cctagntata cagactgatt 240

ctntatggta acgtatcctc ctgcattgat atctgtagan ctgtaaaaag aanatgattt 300

ctgggaagaa atgaatggca cgaaacgctt ggtttgcacc tcaagtgttt ggtacagcat 360

ggagaaaagn ata 373

<210> 11842

<211> 202

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-F11

<400> 11842

tcaaacagtg gcttaaacc aaaaaaggaa catggatggt agtatgagtt tttcacaaga 60

tatggataat gagtatgaga agctgataag aagaatgaat ccaccaaggg ttgtgattga 120

taatgactct tgcaagaagg caactgtgat aaggggtggat agtgcaaag aatatgggat 180

tcttcttgaa gttgtacaaa tc 202

<210> 11843

<211> 202

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-097-Q1-E1-F12

<400> 11843

agaagaaaat aagaaaaaac aaaagatgaa aaccattatc ctttttgtaa catttcttgc 60

tctttcttct tcatctctag ccgatgagac agagactgaa tttcattaca aaccgggtga 120

gatagccgat ccctcgaaat ggagcagtat caaggctgaa tggaaaattt gcgggacagg 180

gaagaggcaa tcgccaatca ac

202

<210> 11844
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-F3

<400> 11844

ttatcccant accgnaaaga tccggtcgac cagctcagcg cacttctccg gctcgcaagg 60
tcctcaccac cggcggcgaa gtcccgtatc agagcctcca cgagcgacac acaccagct 120
tagaagtcaa ggaacagagc agcaccaca tgaggaggac tcatttcacg ctgcactgca 180
gcggttgtct tggtaagnag catggtgaga aaaagccaac gaggaanagg ggcaaaaaat 240
accaaattnt aatncacgca aattncnnat gtnaaaccca ctctnancac ccctcattcn 300
naattccata ttgcgtacta attgtacatt acaaacctta ctcaaaaac 349

<210> 11845
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-097-Q1-E1-F4

<400> 11845

tgatcgccag nacggaagga tccggnccgc agcnccgagg gttcanttcc tcatgtgaat 60
ttttccctct ccaattcaat catctgggat cgaaatctcg gaagatgaaa cgcgattcga 120
cgaaatctcc gaggaagagt ggctcaacac tcgttaacgc tcgcgagtct taaacgacca 180
cggactccga agaagactcg cgcggcgacg aatccaacgc cgtcgattga gtcttttgcg 240
tttaggagac cttcgacggc gatgacgatt gagagtaata gcagcgatgg tgattgtgtt 300
gagattgang atttgggaga ttccgattcg gatgtgaaga ttgtgaatgg tgangatttg 360
ttgttagagg atgaanaaga agtgggagag actaanggtg tgatgcncgc tgcnanagtt 420
ggtaggagaa ttgtgatg 438

<210> 11846
 <211> 504
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-F7

<400> 11846

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gggggtcccg naacccccaa accgnccgnt ccncgggggc gnaagaaagn caaatggtgn 120
tttgccccct aaaaccttta cctggaacct ttaattccaa anccttttgg attccgaaat 180
ggggggtaaa cctccgaaaa aggggggggg ggggttttgg aataaaaaag aaagggcaaa 240
atggggagga ataatttaag ggggaagttt aaagaaagcc gccggggatt aaagagctga 300
tgttgttttg tacagtgcac tgattgatgc attgtgcaag aatggggttg tgggttctgc 360
tgtttcttga tcatagatac aaaggaggat anctatttga actatatcat atcagcttgn 420
ctctnacatg ncatacntaa catggtgtct ctctctcgn ctatntnctn aaagggacgt 480
ataatatgca tacactnata caca 504
```

<210> 11847
 <211> 328
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-G1

<400> 11847

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aatnccccgg ccaaccaagn ctcccnaaag aanccaaaca ccggggggann aaaaaatata 60
gactttagat angtgtanta aataacatag tgtaacttat ttcagtattc atacacagat 120
gctgtgaatg gtcattcctg cctttggctt tgggatcaat ccgatactgg acacaattcc 180
ctgactttat gaaggaatac tggcatatgg agggtcacat gaaagggnac aggagaattg 240
gaatggagag ttcctgaata gtctgangta ggatcagaaa ttacactacg tagtgtcatc 300
catnactana ctgngtntcc acaggggg 328
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<210> 11848
 <211> 177

<212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-G10

 <400> 11848

 attatcatag aattacaaga tgtgttccag agattcatgt ttgatacttc ttcaattttg 60
 atgactgggtt acgatccaat gtcactatcc atcgaaatgc tggaagttga gttcggtgaa 120
 gctgcggata ttggcgaaga agcaatctat tatagacatt tcaaaccggg gatcttgg 177

<210> 11849
 <211> 168
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-097-Q1-E1-G11

 <400> 11849

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<210> 11850
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 <212> DNA
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 <223> Clone ID: LIB25-097-Q1-E1-G12

 <400> 11850

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 gtcttcggtg ctttcgtcgc cggttggtgct ggtgctgctt attttcttac atcctccaag 180
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 <211> 473
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<223> unsure at all n locations
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 aacgtacatc acaagtactt tgtggaaaac ccagattttc acaacgaaac ctacaacact 180
 aaaaatggga tttactctga aggggtgtga ttaaacaatg tcatgatgtc ttggggccat 240
 gacgactaca tgtacctggt ggctaaagaa aacggaagta ccttgccgtc ggctgggaca 300
 gtttatcata agataccatt ccttttacc tttgcacacg gctggagaat acacccatct 360
 tatgaacgaa ggaagacaag gagaatctga agtggctaca cgttttcaac aagtacgact 420
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 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 ttttgatggt cgctgggtcg tttcagagaa agctgaatac caaggtgtgt ggaagcacga 180
 gaagagtga gggcatgatg attatggact tctagttagt gagaaagcta agaagtacgg 240
 aatagttaaa gagcttgatg ttgatgagcc tctaaacctt aacgaaagga actgttgctc 300
 ttcaatacga aggctcgttt ccaagaaggg cttantgtgg tggtagcttac tttaaaagta 360
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 <212> DNA
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<223> unsure at all n locations
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<400> 11853

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tcaagctatt caactgttta caagttacgc tgaaatcaca agctgagcaa gtgtgtatta 180
actctcttat tatttttctt aggattaagt ttgtaattat gcttgatatt atcatcataa 240
cacaaaaatt caatggtaaa taatatatta ttctgagggt gaaaaaaaaa aaaannangn 300
nagnnnnngg gannnnngnn aaaaaaaaaa agggnggccg ctcta 345

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<210> 11854
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<223> Clone ID: LIB25-095-Q1-E1-B1

<400> 11854

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aaattctcag gatgggaaga ggaaagatag aaataaagag gatagagaac tcaacaaaa 179

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<210> 11855
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<223> Clone ID: LIB25-095-Q1-E1-B3

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tgcaattgga tctgcgcaa tctctattaa ctctttcggg tatcacttcc ttactcgaat 180
cgtcgcagcg tatatcggtt tcggcttgct cgattactct at 222

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<212> DNA
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<223> Clone ID: LIB25-095-Q1-E1-B4

<400> 11856

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 cagtggcctg gagcctattg cgatacatcg cgtgcttggt gctatccaac atccggtaaa 180
 cccgctgcag attttggtat ccacggtcta tggcctaac 219

<210> 11857
 <211> 222
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-B5

<400> 11857

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 ccttctcgtc ttcatgccaa ctgctattcg tggagattat cttgtaacct tgctcaacat 180
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<210> 11858
 <211> 215
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-B8

<400> 11858

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 aagcaaagat ctgctgccct tccaaccaag ctagaaatgg ctatagtgtg tgccgtataa 180
 ggtttttcaa gggaaggtgt atgcaagtga gtgga 215

<210> 11859
 <211> 200

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-095-Q1-E1-C10
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 tcctcgggtct gaccgggtca cttatcgccg ccaatgagta tgctgttct agtaccgata 120
 tacactttac tcgtgccaat ttcctaaaag gtttcatttt tgggtaccgca actgctgctt 180
 ttcaggttga aggagctgtc 200

<210> 11860
 <211> 204
 <212> DNA
 <213> Arabidopsis thaliana
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 tcgttagtcc atggaggagg agagtctgga acaccttcta atgcagccgc taccgccgact 120
 agcccaaccg aaggatccag tggttcaagt gggttcagctc atggacctaa ttgggggatat 180
 agttggggat ggggttcagc cccg 204

<210> 11861
 <211> 193
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-095-Q1-E1-C2
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 aaacatcttc cgtctgtttc tgatctaaaa aacaaaaaaaa aagctagaaa agctttgtta 120
 gggttttaac tttattaact ctcgtgttta atataatttt acagatttaa taaaaaaaaa 180
 aaaaaaaaaa aag 193

<210> 11862

<211> 224
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-095-Q1-E1-C4

 <400> 11862

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aanggggggg cnncccaaan gnnt 224

<210> 11863
 <211> 211
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-095-Q1-E1-C6

 <400> 11863

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 atcagtagaa aaggagaga aacagagaat gagatgtaga gttagctcaa actctactga 180
 aactgaagac gattctgcta caaaaaccaa g 211

<210> 11864
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 11864

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 ttgttttttt tcattgaggg aatcgaatcg agttatgtac aaggatcgga gtggaggagg 180
 aanaatgggt ggtgnggat catcgagatc gganatcctt g 221

<210> 11865
 <211> 201
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-095-Q1-E1-D11

 <400> 11865

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 aatgtcggcg aaagatcgag gaatcggaag cagaggcggt gatcggaatc gaatcggacc 120
 accgcctctg ccggtagcct tgtcgtcgtc tactgaattt ggcgataacg cgttgcgtc 180
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<210> 11866
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 <212> DNA
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 <223> Clone ID: LIB25-095-Q1-E1-D6

 <400> 11866

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 tttgtaatgt cacgtttggt gtatgtaata ttttgcttg tagtggtaga aggtagcagg 180
 aacactttag aacgaaatac tgaa 204

<210> 11867
 <211> 163
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 tttattgaac ctcaagagtg aaagacctca gagatttggt atc 163

<210> 11868
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-095-Q1-E1-D8

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 tgtcgtggag acagaggagc aacaatgggt ggttctcgag ccagatgggc ggtggcgtga 180
 gggcggagca gtcagtgcaa gagcctcggg tacc 214

<210> 11869
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 <223> Clone ID: LIB25-095-Q1-E1-D9

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 ttctttgttt tttgtttgtt aggtttatca gctaattgcaa agatcttcaa tattaattct 180
 cctccagggt ctgatattcac t 201

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 <223> Clone ID: LIB25-095-Q1-E1-E1

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 aattcgatgt tgatggaatg gagaacacag acatcgaagc catattggat ggtgcagaag 180
 caggtgaaga agaagacgac gaggaagggt gatgggg 217

<210> 11871
 <211> 54
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<210> 11872
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<223> unsure at all n locations
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 cctcgaattt gatcatcgga cattctcttt ttgtttcctg ggtttatagt gccgcacgtc 180
 aatggcgtga accgcgtca c 201

<210> 11873
 <211> 96
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-095-Q1-E1-E12

<400> 11873

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<210> 11874
 <211> 203
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-E2

<400> 11874

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cctgtgttcc tgcctccgat ctgggaatct tcatctccga atccaccacc ttctcacgct 120

ccatctccgc ctccctctca tcttctcca gttcaccctc ctcttttcgc tgttgacccc 180

cattgaacct caaatcgctg cgt 203

<210> 11875

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<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-E4

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tgcaacaaaa tgtgaagaag ctgtaccttt tgggtgagagc atctgacaat gaagctgccca 180

ctaaacgctt ac 192

<210> 11876

<211> 210

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-E8

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cttaaatgga tggtagttg tgaagacagt ggacaattca gagtctatca agttacaaca 180

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<210> 11877

<211> 207

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<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-095-Q1-E1-F10

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gtggggaaga aaatattctg attttgtaat gtcacgtttg gtgtatgtaa tattttttgct 180
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<210> 11878

<211> 187

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-F6

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caagttgatg aatgtaaag aagatccaag ccaactttct gctatagcaa ggcaagggtc 180
aggaagt 187

<210> 11879

<211> 180

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-F9

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accaatccac catgaagttt atgacggaga aaggaagata tacgacatca gccaccagta 180

<210> 11880

<211> 224

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-G1

<400> 11880

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 accaaatctg tctgatttgt gatctgaaca aagtacggta atgg 224

<210> 11881
 <211> 185
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-095-Q1-E1-G10
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 aaaca 185

<210> 11882
 <211> 135
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 gttgagtcta aaaaa 135

<210> 11883
 <211> 213
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-095-Q1-E1-G2
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 <212> DNA
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<223> Clone ID: LIB25-095-Q1-E1-G4

<400> 11884

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 ccttacgaga aactgatgaa tggggattac aaggtaagg tgaaggacac attcaggtgt 180
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<210> 11885
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-095-Q1-E1-G5

<400> 11885

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<210> 11886
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 <212> DNA
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<223> Clone ID: LIB25-095-Q1-E1-G6

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attgttgaaa cataccgagg agaattctgt caaacagaaa gctctagaca aaaagcaagg 180
agttgaaaaa ggtaccaagt ctggccgttc cgc 213

<210> 11887
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<212> DNA
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<223> Clone ID: LIB25-094-Q1-E1-E1

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ggttggattt ttatttttcc ggtgaggaaa aaatgacgac gagaggaagc agatcggaga 180
aagtcaagag aattttccag 200

<210> 11888
<211> 196
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-E10

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gaagaggaag ggttcgaagg agcttggttc agagctgttt tagaggaaaa cccagggaac 180
tcatctcgca gaaagc 196

<210> 11889
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<212> DNA
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<223> Clone ID: LIB25-094-Q1-E1-E3

<400> 11889

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agaggct 187

<210> 11890
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<212> DNA
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<223> Clone ID: LIB25-094-Q1-E1-E5

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gctggagcaga agagtaccaa tatgtggaac tgggaggtga ctgggttcga atcgaagaag 180
tcgccttcta gtgagg 196

<210> 11891
<211> 198
<212> DNA
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<223> Clone ID: LIB25-094-Q1-E1-E7

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tgggtctcggg ggctccatc ctcttaatat tgggagttgc cataggagtc gttgccttca 180
taaacaaaaa tggcgatg 198

<210> 11892
<211> 196
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-F10

<400> 11892

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ttcacttttcg gagattccaa cttcgacgct ggaaataaaa agttcctcac aagtgtcca 180
cttcctcaaa actttt 196

<210> 11893
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-F12

<400> 11893

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ttgtccctga acatctccgg cgtgaatccg ggcactttgt ccttgtaat cactctaccg 180
acgtc 185

<210> 11894
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-F6

<400> 11894

ggggtaaggc gcatccaagg acccttaaag gcaagaaaat tgccattaca ggaagaaga 60
aagtttccaa gtaatcactt tcttgctctt taatactctt tttagttgt ctagtctctc 120
tgtttatatt gtgaattttt atcttcgtac aacatctgta ttatcatcag acacattgat 180
atgcaaactg gtttg 195

<210> 11895
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<212> DNA
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<223> Clone ID: LIB25-094-Q1-E1-F7

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aagtttcgtt ctttgttcta agttttctga aggagtgata tttgtttgtg gtgtgggttag 120

agaaatgaat cggagacagc aagtgaaacg tagagtaggt aaatatgaag ttggaagaac 180
aattggagaa ggaacg 196

<210> 11896
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-F8

<400> 11896

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caactttctg atattgacaa ggagggtatt actaatgatg aaaagtacat gctccggaaa 120
attggcttga aaatgaagcc tttcctttta ctaggtagaa gaggcgtctt tgatggaaca 180
atagagaaca tgcattctca ctggaa 206

<210> 11897
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-F9

<400> 11897

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cagccaattc ctcatgttat ggcagctcag ccttttccca gtcataacc cttccctact 120
gaattggcac agtcgtcgta ttatccccgt atgccttaca tgacacctat tccgcatggt 180
ccgcagttct tctaccatta 200

<210> 11898
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-094-Q1-E1-G10

<400> 11898

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tcctaattca tatccatcga atcatcactc tctgtttttc tccaatctca cattcccaat 120
tcaacatgga agtagaaagt tgaagacttt gcgactcaga gccaatctct gggagtcaat 180
ccgatcnggg tttgtgaaa 199

<210> 11899
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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-G11
<400> 11899

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atgtctcaat ttgggttgta acgatggagc tcaagaaaga gagactgatt ctcatactat 120
ccaagtcagc tctctcctcc cttcatcatc atcatcttgt gttctttctc ccagagcgctc 180
tactacaaag tcttcc 196

<210> 11900
<211> 200
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-094-Q1-E1-G12
<400> 11900

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cttttgttca tatcttttta cttttcaaac tactaatttt cttttcgctt cttctattaa 120
taacaacact ctctctcnca gacttctttt cttttttttc tacggcggtg attcattcnc 180
aatgacctca gtttctgtgt 200

<210> 11901
<211> 178
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-G5
<400> 11901

ttctctttca agttttcgat cacgatctct ggaaaattaa gagagaaatt caaaaacttc 60

gggagttcaa agtctcattc agacattcca gaaggtattc tagtcgactg agtaaacaat 120

catgagaatc agaaaaggaa gtagagttga ggtatttagc aacaaagagg cgccttat 178

<210> 11902

<211> 188

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-G6

<400> 11902

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aactttttct ccggagctct gactcttctt ctctccggat ccaaaaatga atcgtctctt 120

ttctctcttc tccatagctc tgatcgcttt cctctgcctc caccatcatg ttctcgcttc 180

ttctctctt 188

<210> 11903

<211> 191

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-G7

<400> 11903

tggagatggt tcgatgagac ctgaaggcga aacaagttcg ggtgggtggtg gaagcaaagc 60

aacggaacag aagaacaaac ctgagccacc aaaggattat attcatgtga gagcaagaag 120

aggacaagct actgaccggc atagttagc agagcgagct agaagagaaa agatcagtga 180

gaagatgaca g 191

<210> 11904

<211> 185

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-D6

<400> 11904

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gacgaactta ctggtgtcat gaatgcgata tgagtttata cctcctctcc tcctccgatt 120

ccgattccga ttctctcct ctgttatgtc cccaatgccg tgctgatttc ctcgaacgta 180
 tggat 185

<210> 11905
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-G8

<400> 11905

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 tagccccaat ctcataatca aatccatctt ccaatctctc acacggagaa gcccacaaacc 180
 t 181

<210> 11906
 <211> 202
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-H1

<400> 11906

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 ctctcaagaa gagaggtcca cactcggttg ctactactgc ttctgatgtt ctaaaacttg 180
 ttggtcagtt gaggttaaca cc 202

<210> 11907
 <211> 197
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-H10

<400> 11907

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agagatatat agtggctgga tctgatgcga gtaagaagag ctttggttct ggacttagag 180
 ttcgtcactc tcagaat 197

<210> 11908
 <211> 185
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-H11
 <400> 11908

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 tttttcgtat cgctctcttc ggcatttacg caaacacctc ttgtgcgttc gaacaaaccc 120
 aatttgcttc ttctaccacc agttgcagac tccgtcaaat tgattcaaga ctttcatcag 180
 tctcg 185

<210> 11909
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-H2
 <400> 11909

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 tgaacaaaa caactccgtt tgggttgtgg ctttcctctg tgaatccttt ttctctttca 180
 tatggcttct tattac 196

<210> 11910
 <211> 197
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 <223> Clone ID: LIB25-094-Q1-E1-H3
 <400> 11910

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 agactcgtga ttatactttc ttgtctttca tattcctttg ttcgatcaga ctttacagag 120

agaacaaata tcaattatgt atcagctgtg ggagatcccc ggatgagaaa cgataactta 180
agggtggcta tagaagc 197

<210> 11911
<211> 191
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-H4

<400> 11911

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agtatttgca ttgtgttatt tgtattgtcg atggctcgtg gagctgtctc tagaaattat 120
ggagacgctc tcacaaagag tcttttgtat ttcgaagctc aacgttctgg aaaattgcct 180
tcgaaccaaa g 191

<210> 11912
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-H9

<400> 11912

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cagaggagat agacatgagt tattgggacg tgtcatgggg agaattcaat gaagacaaga 120
actcgtctat cttctgcgag tcacaccctc acatagtaaa ttgcgcacggg atatgggagg 180
ttatgacttt caaga 195

<210> 11913
<211> 204
<212> DNA
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<223> Clone ID: LIB25-095-Q1-E1-A10

<400> 11913

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aacttcttct tctctacatc ccaactccaa actctcacat tctctttcag ctaaattatc 120

ctccaaagca aatgtttccg tccaatttct gggaaagaaa cagtctccgc ttctctcctc 180
aactccgaga ttctctactg ttat 204

<210> 11914
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-A12

<400> 11914

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gaacgccaat agagcgcgaa gaagaaatcg caagccggaa gaagaaagca gtcgctgggg 120
cttctggcaa tcttagaact ctccctgctt ggaagcaaga ggtgactgat gaagaaggcc 180
gtagaagggt ccatggagca 200

<210> 11915
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-095-Q1-E1-A2

<400> 11915

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tggaaggggt tcaaagctcg caactttgaa ggccaaacaa gctaattgcc tttcttggtc 120
gcccacaggc aagtacataa ttcttgctgg gttaaaagggt ttcaatggcc agcttgaatt 180
tttcaacgtg gatgagctcg agacaat 207

<210> 11916
<211> 218
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-095-Q1-E1-A3

<400> 11916

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ctgctttgan atttctctgg gtgatacaat tggatatggc actcctggnt ctgtgggtcc 120
aatgcttgaa gccgtgatgg caattgtgcc agcggacaag ctggntgttc acntccatga 180
tacctatggg caagctcttg caaacatatt ggtgtctc 218

<210> 11917
<211> 218
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<223> Clone ID: LIB25-095-Q1-E1-A5

<400> 11917

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atgcagaatc tgtgaaattg tagaaacgaa tttcacattt ttttttgaag aaatgacgac 120
gcagatattt cagttgccgt taaagtactg tgcttcgagt ttttcttcca ccggccaacg 180
gaattacggg gcttcttctt cgccgtctcc gattgtaa 218

<210> 11918
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-095-Q1-E1-A7

<400> 11918

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aaaggggggg cnncccaaan ggttcaanct t 91

<210> 11919
<211> 187
<212> DNA
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<223> Clone ID: LIB25-095-Q1-E1-A8

<400> 11919

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gttctaagta aatttgccctt tgaagacaat gcgactctgt ttcttgcttc tctccctttc 120
tctcttgcaa acattgttct tactataagc ttccttttat gtttcagact tgtttaagat 180

tttaatc

187

<210> 11920
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-G11

<400> 11920

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aggacgaccg agac 74

<210> 11921
<211> 252
<212> DNA
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<223> unsure at all n locations
<223> Clone ID: LIB25-093-Q1-E1-G2

<400> 11921

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tctctcaggc tccgtgctac atgcgagaaa ctgaaaaagg ttctaagcgc taatcctctg 120

gcaccgttga atatcgagtg tttgatggat gagaaagatg ttaggggtgt catcaagagg 180

gaagagtttg aagagatcag catcccgatt ttggagcgtg taaagaggcc tctagagaaa 240

gctctctctg at 252

<210> 11922
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-G5

<400> 11922

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tttttctcat agtatcgtct cttgtttcga gttctcttgc caccgctccg cccaacacat 120

ctatatatga aagctttctc caatgtttca gcaatcaaac aggtgctcct cctgagaagt 180

tatgcgacgt cgttctgcc

199

<210> 11923

<211> 195

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-093-Q1-E1-G6

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taaatctcag attccaaatg ggttttctta gctctttctt tcaaataang aacatttggt 120

agcagaatct tctcttttcc ctaaagtttt gatctttttt tcccccttca attttggtatt 180

ttctcaccaa ataac 195

<210> 11924

<211> 51

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-093-Q1-E1-H11

<400> 11924

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<210> 11925

<211> 204

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-093-Q1-E1-H2

<400> 11925

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cttttctctc ttcaaattctt ttctttttaca tattttcttt tctttttttt gtctttaata 120

caaatttact aactaatcag aataaaaaatg ggttcgagta agtttaaacy agccatagga 180

gccgtaaagg accaaaccag cgtc 204

<210> 11926
 <211> 178
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-093-Q1-E1-H6

 <400> 11926

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 caaagtggca atgcctgctc cttttgagat ctcctctggc caagttacca tcggacggct 120
 accggaaaag gctgacgtcg tgattcctgt tgccaccgtg tcaggagtcc atgcgaca 178

<210> 11927
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 <212> DNA
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 <223> Clone ID: LIB25-093-Q1-E1-H7

 <400> 11927

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 agatgtctgg tgattttcgc gggtgtatca gcttttagttg tgtgtggacc tgctctttat 180
 tggaaattca acaagggt 198

<210> 11928
 <211> 115
 <212> DNA
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 <223> Clone ID: LIB25-093-Q1-E1-H9

 <400> 11928

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 <212> DNA
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 <223> Clone ID: LIB25-094-Q1-E1-A1

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tgcgttcgag accgcatcgt gtgggtccacg accttgccgc cgccgcagct gccgattcca 120
cttctgtgtc atcgcaagat tatcgctggg cagagattcc tgaagagctt cttagggaga 180
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<210> 11930

<211> 199

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-A11

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aaccatatct tgctcaaggc cctatttcaa ataagattat atattcaagt tttggttgca 120
gtcaggggtg gttttgcacg ccttgtgtca acgatccagg ttttaagggga cttaggaaca 180
taatgaaaat tcacatcaa 199

<210> 11931

<211> 179

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-A12

<400> 11931

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ctttcgcttc tcctcttctg ttcatataac aactgaataa tgtcgatctc cgcccaaat 120
ccggatattt ccggcgatag acaatccggc caagatgttc gtactcagaa cgtgatggc 179

<210> 11932

<211> 181

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-A4

<400> 11932

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 g 181

<210> 11933
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-A5
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 gtggatttgg aggccgtggg ggaagatttg gaatgagaga tgactcattt ggacgtggcg 180
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<210> 11934
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-A6
 <400> 11934

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 agacgttcaa tcaacggtgg tggaatttgt taacaag 157

<210> 11935
 <211> 185
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-A7
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aaaggagggtc ttgcgatgga ttccgctatt gatatcagtt ctgatagtga tgtcgagata 120
 caagaaacta gaaccaggcc tcaacatccc ccacggatag ctgaagagat ctctctacgc 180
 tgaga 185

<210> 11936
 <211> 170
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-094-Q1-E1-B1
 <400> 11936

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 taagttggng aaaattctca gagagactga agtcgacaaa gtcagagggt ttcgtttttt 120
 ggcttctggg ttttttatct caagtgttca atttccgaat taggtaagaa 170

<210> 11937
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-093-Q1-E1-G1
 <400> 11937

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 agctaaagaa aaagaaaaaa gactacattt ctacaaggac gttggttctt ttagtcgctc 120
 tgggtcgtcg aanaaagatc ttctccttct ttcttcgccg tacgatcgtc gtctaattggg 180
 agaatcatca aatcct 196

<210> 11938
 <211> 182
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-094-Q1-E1-B10
 <400> 11938

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gggttacgat tctttcagct gccaatcgtc gtctctctca tcttcctcct atcgcgtgtt 120
ccagagggtat tgatcaggaa gatgaagtac agagaaggag agcagagaaac ttctaccaca 180
ca 182

<210> 11939
<211> 192
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B11

<400> 11939

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taagattgga gctaaataca caaacatgaa cattgctgct gatgagaaaa tcgagagttt 120
tgaacttgac tatgatggga agagggacag atggaacggt tatgatactt caacctaccg 180
tcatgtggta ga 192

<210> 11940
<211> 199
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B2

<400> 11940

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actcttgcca agaatccggg aaacttgaac taccggcgga tatcagcttt gttcccagag 120
aacacacatg ttaaagctat gacacttaga agaacagtga ccaatgttgg tcctcacatt 180
tcaagctaca aggtttctg 199

<210> 11941
<211> 184
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B3

<400> 11941

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 gggtt 184

<210> 11942
 <211> 197
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B5

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 ctcttaccgg aatcaatggt gatctaatac ccagatcatg gtcagcctcg aagcaagctt 120
 acctaaccga gcgctatcac aaggaagaag caggagcagt cgtaatcttc gctttccaac 180
 catctttctc agagaaa 197

<210> 11943
 <211> 184
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B6

<400> 11943

aaaatattat ccaatttgtc tccatccttc cgtttttttt ttccattacc gtacgccgaa 60
 gaatctgccc caagaagttt aaaggtattg atggaacaac cgaggaacaa caagacctct 120
 caagaacaag ctctggaatc gtcacatgaa atctcctaca cttcaccgga ggaagacgag 180
 gtta 184

<210> 11944
 <211> 188
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B7

<400> 11944

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tgtcaaacga accggaatcc tccgactcga aaactaagaa ggatttcagt actgcgattc 120
tagagaggaa gaagtctcca aaccgacttg ttgtcgatga agctattaac gatgacaact 180
ctgtttgtc 188

<210> 11945
<211> 194
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-B8

<400> 11945

aaaccgatcg agaactgctc gatctgctgt gaagaccgtc agtctgagat gatgctatca 60
ttgaaatgca ctcaaaaatt ctgttcgcac tgcattgaaaa cgtacgttga agggaaagta 120
aagacttcag aggttcccat caggtgtcct caagtgcatt gcaagcatta tctctcagca 180
gcggaatgca aatc 194

<210> 11946
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-C2

<400> 11946

tcaatgacgt catcatcttc ttcattcaaaa tccaaattct caagtccact ctcaaaaaa 60
agctgacttt ctccaccaat cactatgact tctctctgcc gtcttcttct tctctctgga 120
gcatcgctca cttagaggaag attttcttcc gatcaaattc gaaatggatt tctaagaaac 180
ttccgtggat tcgccacc 198

<210> 11947
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-C3

<400> 11947

agacattggg agagttaatc ccaatttcca gggtcttctt ttctcggcaa cttttaacga 60

aactgtcaaa gattttgttg cgcggacagt caaagatccc aaccaattgt ttgtcaaaag 120
agaggatctg gctttggact cggatgaagca gtataaagtt gtttgcccga aggagcaaaa 180
caagatcg 188

<210> 11948
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-C4

<400> 11948

ttgtttaatt ctcttcttaa tctcctcctt catctctact tctcttgccg tcgaacctcc 60
gcctgaaaca atctacaaa actttctcca atgtttcaca aaccaaaca aagctcctcc 120
taactcatta gccgacgtcg ttttacaaa aaccgctgcc gctttcaccc ccgtcttacg 180
cgcttacatc cgtaacgc 198

<210> 11949
<211> 198
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-C7

<400> 11949

gctgaatcag agaattggtg agtagtaaga accctagctt tagattcgtc agattctgat 60
tactcgaatc aaagcagggt ttttgacact aaaaatccga tctcgtgaag tgtgttttgc 120
atcgaatcgg aaaatatgaa agaagggaaa tcatcgaagt cgtcgagtca acaagagcag 180
catgaacaga tttatcat 198

<210> 11950
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-094-Q1-E1-C9

<400> 11950

gagaaatcga atcttatcgc cgcgttaata tgccaccggc cggagaactc cgacatcaat 60

ctccatcaaa ggagaaacta tcttccgtta cccaatccga tgaagcagaa gcagcgtcag 120
cagcgatata tgcggcagct gcagatgcgg aagctgccgg attatggaca cagatcaagg 180
cggaagctcg ccgtgatgct 200

<210> 11951
<211> 201
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-D11
<400> 11951

gaagaaagaa agaaagacga gccctttttt ctttctaaaa atagaaatat gtctctaaaa 60
gccattcatg tctcggaagt gccaagcctc gaccaattcc ctgagaacct gtcgctcatt 120
tgctcctctc gcaaagcgaa taacaagttt gtgggtggtt gccatagagg acacggcatg 180
aacatgtcgc agtcgccgga g 201

<210> 11952
<211> 197
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-D4
<400> 11952

tgatttaaata tccggggagg aattaggggt tatgaaagta aaagaagaaa ctttgaagaa 60
tttgggagat ggagtgggtt taagacctgt tgatcattgt tctagcattt ggagtatgaa 120
gatgaacatg aagaactttc ttaagaaaact tcatatctcg cccaatcaat cagatgaagc 180
tgaaggatca atttcat 197

<210> 11953
<211> 196
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-094-Q1-E1-D5
<400> 11953

gcggaacgct gggagattat atagtgagcg attgttagaa gccattaatt acttgagtcg 60

gaagggttat ttgtttgtta tttgtctctc ggactgggtg attgggttaa acttgtcaat 120
gagtaaccct ttgaatctgt cgttttgttt ggtcggtcga attatataga aatgtattat 180
tggttataaa atggta 196

<210> 11954
<211> 365
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-D11
<400> 11954

ggttttgttt tcctttaacc atcncccana atactcttcc cttaacgtg ggtccttcaa 60
tctttttgaa ngaccccgcc attgtcaatc anctttcaaa gggatcgta ttctttttgg 120
ttttaggcta tttagattat tgaattgatt ttgaatgata ancatgatga attgtnttcc 180
gtgtttcact tcacaaanga gcagaaacgc tccatgcacg acgaacgaga ctaacgatga 240
taacgttgan cacgangaat tcanaccacc tgttggttgcg acgacgaaac ggactgaaga 300
aagagaacct gcagagcanc aaccaccggt gannacattc aatttccggg agttagcgac 360
ggna 365

<210> 11955
<211> 394
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-D12
<400> 11955

caaaaccgct ccaaagtcc tgcgcctacc tcgcctgggt ccttgatcat gtttctgcag 60
ctgtgaatag gcagagaggg tagaagaacc gtggcgggat ctttaccgct ggatttggtc 120
aatgacatcc aatacttcat gaaatgactg aaggtgactc catctgctac aacatgtgta 180
gctgagttgc ctatacagat tccagctcca gggaagatgg tgacttgcac agccattatt 240
ggtcgcatct gaattccttc cggagagacg tgaggaggag gtaacttggg caagacgcca 300
tgcaacacac tgatatcttt aggggaatca gacttcagtt ggtcnaagtc ggtttcagta 360

nactctgcta cggtgaaaac aaganagtct tggc

394

<210> 11956
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-D2

<400> 11956

nnngnaactg ttactttgc cggggcccg tccaaaaata aacgggtcca cncacgcgctc 60
cgaaaaaaaa caaanaanta ataaaacaaa aaaatatctt ttttttttct aataaanaag 120
aaataataaa taaatatgag atacacaaat gtgtccattt tattaggcat gttggtgatc 180
tttgtttcac caatggtgtt cgcagatgat ttgacaccaa tcccagaagg gcaaacccca 240
aagtggtgca gtgggtcaat accacgtttg ggtccaatng gctcaaactg taaagggctn 300
agattcctgg ccctccgnag cttcctngaa gggctngctc caacgttatc catcaaactg 360
ttgaatccaa aaagggaagg gtaaatnnaa acaacnacna gaanccatta aaaaccttcc 420
ccgcagggaa c 431

<210> 11957
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-D6

<400> 11957

gatttttcag gccaatTTTT ttcagtgtct tcaactgttt atattgacaa gtgtgaaaat 60
ataataaagt ttcttggtg atcagaaatc cgtttagacta atcaaaaaga cctcgtgtcg 120
aatatcatca taaattaata aaataatatt ctgctggagc tggtcatttt tttttttttt 180
tttaattagg aaatatctag atttttatat ngaccaatta gncaattacg gattnaccba 240
aattctnatt ttananana ccnaagaana 270

<210> 11958
<211> 145

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-D7

 <400> 11958

 aacatnnagc caaaanagaa cttatgtcag cctaagactg gggaatttac caangctgct 60
 caaggataag ggtctacggc aggtttaagc tggcganatt tgcctatcaa tctcatcata 120
 aagganaact tctttggctt ccctg 145

<210> 11959
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-D8

 <400> 11959

 ggacagtgct aataaacctg atgcttgggc gtttgaggaa ggtcctcatt ctgattttgc 60
 tggacctaat tctgggagca cggcatgcgt agctgttggt agagacaagc agctatttgt 120
 tgcaaatgca ggtgactcac gttgtgtgat atccagaaag aatcaggctt ataatctttc 180
 tagaagatna caaaccaaga tcttgaagct gaagaaagaa aggatattga aagctggtgg 240
 ctttatacat gcaaggccaa tcaatggaag cttaaactta tcacgaagct atcggtnaca 300
 tgggaattcaa gcaaaataag tttttgccaa cctgaaaaac aaataattta cgccantcca 360
 anatgttaac actngttgaa ccccgatgaat aatgaatnat ttccctgggc cttgccng 419

<210> 11960
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-E1

 <400> 11960

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 tctttttttc tcggacaaga aggctacaga aagatatgtc gctgtcgtct tacctcagcc 120

cgacgcgcct tctagaaggc tacctccgcc gttgtctcag ggccggcagga ctgacgtcgc 180
agacgctttc catagactct gaaacaacca tccacttctg gggcccacca cctctagacc 240
accggagcga cgatgacaga ccggttatgc ttctcctcca cggcttcggt ccgtcgtcca 300
tgtggcagtg gcggcgacag atgcaagcct tctctccctc cgctttcagg gtttattctc 360
ccgatcttgt cttcttcggc gactctacct cttcctccac caatcgcacc gaagtcttcc 420
aggttttata aacctatgtc tctatctctc tatttattat angtaangtt tgattccaca 480
antt 484

<210> 11961
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-091-Q1-E1-E10
<400> 11961

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gatatattct atgagcaggt ttggaacagc aatccagccc taagagattg gctgaaggat 120
catgccaatg catcaaaact ggacaaacta aaatgggatt acttcacgat caacaaaagt 180
ccatggtcgt ctcttgatga aaatgaagca ttcttgagta ctgcggattc agctgtaaag 240
ttgcttctctg gagcaacaaa agccatagct ggctggaagg gtcttgaata tagagcagcc 300
tttccagtga ctaaaccacc tggtgccaat ttctatctc cccgatatga taaaatggag 360
ttcaccttat ggctcaatgg ccttacggaa gagcaaaagc atgctgcaac aagat 415

<210> 11962
<211> 288
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-E2
<400> 11962

cctcttcgat ctctcctgaa tcctcanacc ctggagagag agagagagag tgacggggga 60
agaagatgac ttctgctttg tangcttccg atttgtttaa gcagntcaag tcaattatgg 120
ggacagattc gttatccgac gatgttgtag ttgtgattgc aacgacgtct ttggnactag 180

tagctggatt tgtggtgttg ttatgggaag aaaaacnang gcngattcgg gaccggggaa 240
gctgaaccct ttgatgatcc cnaattccct nanggctang gacaacgg 288

<210> 11963
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-E3

<400> 11963

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ttggtagata acgagcaatt gttttttttc agatttgatc ctgaattttt acattttttt 120
tttttgcaat ctccccctaa tctgttggtt ctcgcttctt cttctgttaa tcattctgtct 180
ttcaaaaaga aagaaaaaag aaaaattcga tttctgggtt tgtttttgtc atacagaaaa 240
aaatcaagct tatgaatttg tgtttaattt tttgttttaa tttgaaaggc aggttttttc 300
agaacgagat cgttttttca aatttcttcc gattttacct ctttttttct tcttagattt 360
tagtgaatcg aggggtgaaa tttttgattc cctcttttcg gatctacaca gangttgctt 420
aattcaaaa 429

<210> 11964
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-E4

<400> 11964

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agggttttct tctctgtgag cgaagatgcg tgagattctt catattcaag gaggtcaatg 120
cggaaaccaa atcggttcca agttttggga agtggttaat ctcgagcacg ggattgatca 180
gacgggacgg tatgtaggag attccgagtt acagcttgag aaggggtaat gtatactaca 240
aacgagggcg aagttttgtg gaagggaact tccccgcgcg ctgttctca atggatttgg 300
gagccctgga aaccaangga caagngtnaa gattctgggc cgtnanggna agattcttnc 360

gaacgggata aattncgtcc tccggcaatt cggggtgctg ggaataactn ggccaaaagg 420
tcaacaacac ngaaaggngc cnnacctaatt tgattccggt c 461

<210> 11965
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-E5

<400> 11965

tgttatcccc ttctctctct gaaactaggg tttctatttc tctgagtgat gtgaaatgct 60
cgtgtaaacg gaaacgatgc agaagattct gtgcaaaagt accacttctt caaccctgt 120
tctctctacg cgggtgaact ctctcgccgc cggttttatc tctctagggt ttaagacccc 180
cgtaaaaaat ctccctcctt gttctactac taaacctctc tccacttggt tcttctctac 240
ttccgctatg ccgaccacaa cggcttctgt ttcttcaggc ggtgttggtt tctctgctta 300
tctacagagg actgttcata aaccggcacc ggcgtctgtt cggttctcaa cagctgggta 360
ccggacttgc cgggtgtcaa ttgacgggtac gaaccgggct tgggttgggc caactgggtc 420
ctggg 425

<210> 11966
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-E6

<400> 11966

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gtggagagac gacggcgacg gctacgatgg atgggagagg gttgaanaaa gggccgtgga 120
caacgacnga ngatgcgatc ttgacggagt acgtgagaaa acacggtgaa ngtaattgga 180
acgccgtgca aaaagaactc angtttgctc cgggtgtggg caaaaaagtt tgcccgtcta 240
acggtggggc gaaatcaatc tccgggccaa atcctaaaag aaagggttct tttaactccc 300
tgatgaaaga aaangattaa tccatccgaa ccttnaacgc cttaaccttg gaaaacaaaa 360

tgggccccgt aannggttcc caanttacct ggaaanaaca agncaaatga agattcaaag 420
aactaattgg gaacaacgaa ggattgaagn agaaanacaa aagagcttgt tcccaaaanc 480

<210> 11967
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-E9

<400> 11967

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tccaaaagaa caccatcttc ctctgtaatg tcagagaacc agtccgaaga agtccagcaa 120
atcgagaagc tctatgagtt cagtgcgagt ctcaatgcct ccaaggacaa gtctcagaat 180
gttgaggatt atgaggggat nattaagatg tccaagacta gtatgaaggc aaagcagctt 240
gcgctgcagc taattcctcg ctacttcaag ttcttccta gtctctctac tgaggctttc 300
gatgcgcata tggactgtat cgatgatgga gatcttgggg tacgtgttca agccatccgt 360
gggctcccgc tgttttgtaa ggatacgcca agatatttta t 401

<210> 11968
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-F1

<400> 11968

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accgccgcaa caacgacgtc gtctcacctt cttctctcaa gctcacgtca cgtggcatca 120
tcatcccagc cttcaatcct ttcaccgaga tctctcttct ccaacaacgg gaaacgagca 180
ccaactggag tgaggaacca tcagtatgcg agtggagtga ggtgtatggc cgtagcggcg 240
gatgctgctg agacgaaaac ggcggcgagg aagaagagtg gatagcaact tcaaacgttg 300
acgggctggt tgctgagaca agagatgaaa ggagagatag atgcagagct gacgatagtg 360
atgctgagta tatcattggc ttgtaagcag atcgcttcac ttgttcaacg tgccggaatc 420

tctaacctga ccggagttca aaggcgccgt taatattcag ggaaaaggat cagaanaagc 480
cttgacgg 488

<210> 11969
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-F11

<400> 11969

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agaagacaaa taaaaaagct ctcattttatc ttcgtggaga tctaaaagaa ggaggaagac 120
attttcttccc tctggatctc caaaagtaag aacattttaca agaaacgaga ggtttggggtg 180
gggaaggaaa gaaggaggaa gaggcaatgt cagctaggta ttggtgtcac atgtgttcac 240
aaatggtgaa tccagttatt ggtgccgaga tcaaagccc cttttgccaa agcggggttg 300
tcgaggaaat gagccgtgag attaattggcg gcagcagtag cagtctaagg gaggttcaag 360
accctgagat tgatttttgt acagaccggt gcattgtcct ccaaggggtc caatctt 417

<210> 11970
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-C8

<400> 11970

atttctaaca agatatataa caatggcaag agttcagcta tttttatgct ttaccattct 60
ttttgcatca gtgactcttc tggacatcgt ttcagctcat ttgaagctta agccaacttt 120
gcctcagatt gaacctccac aaacgttgaa ggatgttgaa cttacaccg ttaaagtagt 180
gatagtcttt gtgtccgacc tcgagaaaga atgtcccaag acaaataaat tcaaggcttt 240
ctttgagaaa cttagggcat tcgccaagta tgtctgcca ataaaaagaa aagaccaagt 300
agattacgac cgaagacatg aaggccaagg ctggaggcct cttccaaagt catatcttcc 360
tttgcgattg gaaagataaa aaagggaatt caagaaggat aaaatggaag ttataataac 420
ctttaagtta atgaaga 437

<210> 11971
 <211> 380
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-A6

<400> 11971

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 aggctgaatt gctctgaaat ctcaattgta taatcatctc ctgggtcgtc gttatcgtga 180
 tcatctagaa gaaagcatga ctacactaga tttgaccaga gccgagcttg ctcttattgt 240
 tctctatttg aacaaagctg aggctagaga taagatatgc agagctatcc aatatggttc 300
 caaatttttg agccggtggn caacctggta ctgctcaaac tgctgacaaa aacaccaagc 360
 ttggcgagaa aagttttccg 380

<210> 11972
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-A7

<400> 11972

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 tggccttcac cgtaagccaa gagtagagaa agaccaggt ataccaatg actggccttt 180
 caaggaacaa gagcttaaag cccttgaagt tgcacgtgcc cgtgctcttg aggagattga 240
 acagaagaaa gaagctcgca aagaaagggc caaaaagagg aaacttggtt tggttgatga 300
 tgaggatacc aagacagaag gagagaccat agaggactta cctaaagttg tcaatgttcg 360
 agataactcn gagaaggctt tccacaagga gctagtttaa gtccattnaa ttgtccgaag 420
 tccattttgg 430

<210> 11973

<211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-A8

<400> 11973

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 cagaacttga tactgatcaa ttgaattttc actcatcaat ttgcaacgat ttgatctacg 180
 gaggcttgac gaggtggatt ggagccagag gaagggcgga tcctctcgaa gtagaagatc 240
 tcgatttttg atcgctcgga aaactgatca aatggaggag aaaaacggat catcagaggt 300
 agagatcgga gagaaagacg aaacgaagaa gcaatcaaag gatcttgagt tcttaagctg 360
 tatgatgcag ccaaaaacag ctgattcaga tccacactac atcggaatcc cgccnggant 420
 ccttct 426

<210> 11974
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-A9

<400> 11974

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 gaatgctttt gttcaatcat cttctcagtt tctgattccg aagaaaccct aatcaaataa 120
 atcatggact gctcatgcag tactcgtcct tcgtctctgc ttatctcttc cgaaccatct 180
 tttcgctttc ctactctaa tttctcctcg aatctcagct ttcagatacc gaaagatacg 240
 aagttggtga agcaagcgtt tggtagttag aagttcctct ggttctgatt atcaaaacgg 300
 cgacgttaat gggtttcctc tcaaaccaaa caaactcttt atgcaagagg cgattggagc 360
 tgagtatggg agaagggttt gagacnttta aa 392

<210> 11975
 <211> 493
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-B1

<400> 11975

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catagatttg cacaggaaga ggaatggata tcgcctcgac cacttcgaga gaaagcgcaa 180
gaaggaggcg cgtgaagttc acaagcactc caccatggct caaaagtctc taggtatcaa 240
gggtaagatg attgctaaga aaaactatgc tgagaaagct ctcatgaaga aaacattgaa 300
aatgcatgaa gagtcatcat caaggcgtaa ggctgatgag aatgttcagg aaggagctgt 360
tcctgcttat cttcttgatc gtgaagacac cactcgtgcc aaggttctta gcaacaccat 420
taaacaaang angaaagana aagctgggca aatggggaag gtccctcttc caaagggtcc 480
gtccantttg ctg 493

<210> 11976

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-B10

<400> 11976

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cagcggtgaa acctgacctg agaacatctt cagttggtga aggtgctaata cgtcatgaaa 120
atgacgacgg aggaagcggc ggttctgaga ttggagcacc ggatctggat aaagacttgc 180
tttgtccgat ttgtatgcag attattaaag atgctttcct cacggcttgt ggtcatagtt 240
tctgctatat gtgtatcatc acacatctta ggaacaagag tgattgtccc tgttgtagcc 300
aacacctcac caataatcaa gctttaccct aatttcttgc tcgataagct attgaagaaa 360
acttcagctc ggcatgtgtc aaaaactgca tcgcccttgg atnagtttcg gg 412

<210> 11977

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-B5

<400> 11977

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gccaaaggaag ctttctcag atcgtctctc cgaaattttc cggttaatcg tcagttaagg   60
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agatatgggtt gggaatgctt ttgtgccccca gtattatcac atattgcac aatcacctga   180
gcatgttcac agattttacc aagagattag caagttaggt cgtcctgaag agaatggttt   240
aatgagcatc acttctacct tgcaagctat tgacaagaag ataatggcgc ttgggttacgg   300
tgtaatcagt gcagagatag ctactgtgga cacacaagaa tctcatggag gtgggttatat   360
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<210> 11978

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-B6

<400> 11978

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ctctttcttc tatagcttct agtttctccc acttctcact tcctttttcc cgaatcttga   60
taatgtaa at tcacaagaaa tctgtttaaa aacaaccaat caaaacccaa cattgcttct   120
caacaaaaaa gcaaagcaaa agattttgcy agagaaaaaa aagaaaatgg atttgttcaa   180
gatccttctt cttgtgttct tcgtgaacat aagtttctgc ttcgctgcag atccatattc   240
tttctataac ttcgaagtct ctacattac tgcttctcct cttggtgtcc ctcaacaggt   300
cattgctata aatggaaagt ttcttggtcc tacaatcaat gtnacaacca atgaaaatct   360
ggttggtta at gtcaagaaac aagttagacg aagggaacttc ttcctcaatg ggatgggatc   420
caacaagaga cgtg                                           434

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<210> 11979

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-B8

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catctcaaga agagtctcca agtagtaata agattgggtt atcttctctt cttctctctg 120

actttcatct cttttgctca tttatcctca ctcacccttt ctatttttct tacttgctct 180

tcttttcacc ttacatcttc aagattctct cttttctttc accactcttt gtcaccacca 240

cactcttgct tcttgcttta ttgagtactt tacatgttca agacacttgt ctcgactctg 300

aatcactaga aacacaacca agcttccttt tctccttttg tagtaagctt ggaagtgtct 360

tggaacacaa gtttgatgtc aacaatgagg gttttaagtc attggaggag ttggaagcgt 420

ataagatgg 429

<210> 11980

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-B9

<400> 11980

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ggnccaccca cgcgtccgca nagagaaaga gagctttgac tttagatcca atcatggaga 120

caactacaac tctctgctc cccggtgatc gcagcagatg cgggtggctc cgtcgccgtc 180

tccgcctcaa aaacctctt tcttctgaac tctccggcgc tgtcgggtgat ctcggcacct 240

tcatcccat cgtccttaca ctaactctag tctccaatct tgatctctcc accactctca 300

tcttcaactgg tttctacaac atcgccaccg gtctcctctt tgacatccct atgcccgctc 360

agcccatgaa atccatcgcc gctgtcgctg tctccgaatc cccgcatcta actccttctc 420

aagattgccg ccgctggtgc atccactgcc gccacgtcc tctccttgg cgccaccgga 480

gctatgtctt tctctana 498

<210> 11981

<211> 264

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-C1

<400> 11981

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gcacagaagc aaatggagct acgctgagta gagagataag aaacaatgat ccaatgttgt 120
ctcattgtag aaactcttat gctccaagcc aaggtagtcg ggacgagtac gacacagggg 180
cccatagtat gagcagtctc agcagtccaa gtcattgttca tgagaccgtc acacttagtc 240
ctctccctca gcatcataca gctg 264

<210> 11982

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-C10

<400> 11982

gcttatgtac gccaaacgtg ctttcgttca ctggtatgtg ggtgagggtg tggaagaagg 60
agaattctca gaggcacgtg aggatcttgc agcattggag aaggattatg aagaggtcgg 120
tgctgaaggt ggtgacgatg aagatgatga aggagaggaa tactaagaag aatgtttcta 180
aaaactttgg atttgtgtgg gtttctctat aatctcgtct tgtgagaatg ggctcaaac 240
tcttgggagt ctttaatcgt gtgtgtttta aaacctactt ctctatcttt tcgtagccat 300
gttatctctc tattatctat ttctttgtg tgtaaatacg tttctgcctt tctggtaata 360
tcttatcact actatcaana aaaaaaaaaa aaagggcggc cgctct 406

<210> 11983

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-091-Q1-E1-C11

<400> 11983

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cagaagaaga aaatggcgga gactgtacat tctccgatcg ttacttacgc atcgatgtta 120
tcgcttctcg ccttctgtcc accttctgtc attctcctat ggtacacaat gggtcatcag 180

gatggttctg ttactcagac ctttggttc ttttgggaag aatggagttc aaggacttat 240
 caacatatgg ccaagaccca ctttgattgc ttggaaaatt atattttgct atggagcatt 300
 tgaagctatt cttcagctgc ttctgcctgg taaaagagtt gaggggtccaa tatctccaag 360
 ccggaaaccg accagtttac aagggaatg gtcttggtt gcttactttt gtgaca 416

<210> 11984
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 11984

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 ggtcagccat tatttcccgg agaaaatgct gtggatcagc tcgttgaana ttataaaagt 180
 tcttggtaca ccaactcgag aagaaatccg ttgtatgaat ccacattaca cagatttcan 240
 gtttccacag ataaaggcac atccctgggc acaagatttt ccacaaaagg atgccccan 300
 aaacgattga ttttgcata aagnngcttc aatactctcc aangtccaaa atgcacagcn 360
 ctccgantcc tgtgcaaata cgttccttga tgaactcaan aagaaccaac acgctcgttt 420
 aaccaaattg gacgggcctt tccgcctct ctttcaactt caancaatga anttanctgg 480
 attaataac ctgaactggt caacaagntt gantcc 516

<210> 11985
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-C4

<400> 11985

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 tttgaatttt tcgagtggta atgcagagag acttataaaa tcattcaatc taatgcctaa 180

gtatgacgtt aatgtcatcc caaaagggaa gccttggatg ctccaaagac tcaattggag 240
aagacaaatt ggattttcct gggcgaacaa gccgggttcc aaaaaaacgc cttcccgttg 300
ggtccttcct ggtcaaagaa ttggggccaa ctaacgcctg ggtaattaa caaggcctcc 360
tcaattcaaa aaatcaagcc caaagaatgt tcctaanttc ccttttttga atccacggga 420
acaaaaaaca aaccgattcc gggtttgtga ttctgggtta aaccgggttg gaaccgggc 480
tgcaattaat 490

<210> 11986
<211> 190
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-091-Q1-E1-A5
<400> 11986

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ttctattcat tttctggaca gtcttggtct ctccgtatca ttttgagaag gaaatcgaag 120
agagcctaan acatgctttc ganaagatag angatttgat cgctgatgaa aataaattgc 180
acacantctc 190

<210> 11987
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-090-Q1-E1-G7
<400> 11987

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ccgacgagtt tttacatta ggacttcatt cggcaagaag cattaccgta gtatgtcggga 120
tttgatttaa gatgacatga gatatggctg cattgaatct atcaaagagg tcaatttgtg 180
aaacatgagg acatcaagga tggaagaatt cacttgtaac ttgctctaaa tgccgcatag 240
cctgtgaaca ctgttattgc atgcgggaga gttcatttga gacctcaata cattttgtct 300
gtgctgattg ttcgatgaga cctgttcaaa acaaatttac ttcagattct atcaaaggag 360

tccctagaag tattaggaat aaagtgcggg tggaatcttc aaatccagtt cctaaatggg 420
 aaaaaaattc 430

<210> 11988
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-090-Q1-E1-G8
 <400> 11988

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 cgggtggagga acctttatct cattccaatt ccactcgctt tccgttaaca accgatttct 120
 acggttcattc atcgccgtcg gcggcgaggt tacaccgtca agctggccgg tcgatgagaa 180
 cagtgaagtc taacttctat caaagcggag atcaatcttg ctcatcgtc ggctcaatcg 240
 gcgataaatc agagtatgcg tcggagtctt tctcggattc cgtcacgac atgagactcg 300
 gcgagcttgc tttgaaaaac agtaattctc tcaattcaaa cgcttcctca atgaaagaag 360
 gaagcgcttc tcgacatttc tcaaggcggt aagtgatctt ccgccttgta agtagtgata 420
 acctccgggg ag 432

<210> 11989
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-G9
 <400> 11989

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 cgaaagaagc tcccggtggga ttcacgccac cgcaggctag acccaaacac accgtctccg 180
 atcttcgctg gaagcaccgg tggctcttcta tgtaaagcgc aagtggaaga gttctacgtt 240
 atcacgtgga actcaccgaa agaacagatc tttgagatgc cgacaggagg agcagcgatc 300
 atgagaagaa ggtccgaatc ttctgaagct agcgaggaaa ggancaagtg tttagctttg 360
 gggacaaggc ttagatncan gtanaagntn anttatcagt tttanangag tgtttcctaa 420

cggtgaggtt caannncttc atccnanagn tgggtgtttan ccangagaag gggnaatcca 480
tg 482

<210> 11990
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-H1

<400> 11990

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ctctcccact gttccagctt caactctctt gatatacaga gagagataga gataaagaga 180
gagagagtga gagtgatagc tctcggagaa attgaagaag acacaatctg attantattc 240
tccaatattc catcaanttt ttgctgaggg aaatctccan atttataatc gtttgtatat 300
atatatatac agagcagcgt anaaaaggat cttagattta tagcagcaac angaaaatgt 360
caatgccact acaacgtggg atctctggga gtacgagttt ccggatagca agtgatgatt 420
ttgagagact ccgcanat 438

<210> 11991
<211> 123
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-H12

<400> 11991

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gtgcatctcg attaccttga agctggtgcc ngatatcata tccagcgctt cttancaggc 120
cac 123

<210> 11992
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-H2

<400> 11992

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acacagttac aacgctcant tggggagttg ttgggtgatc ggtccgaggc gacatacaag 120
atgaccggaa actcttttaa ctcgatgaaa gatttcctga agcagacagg cggctatgcg 180
gtaatagacg gngggcttgc aacgganttc gagagacatg gagcagatct caacgatcct 240
ctctggagcg ccaaattgct tgtcacctct cctcacctca ttcacaccgt gcattctgat 300
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tttgaagcaa agggattttc tagaagaaga gagcgaatct ttgcttaaaa agagcgtaga 420
aatagcgact gaagctcgga actcgtatta tgacaaatgc ggaactagct cttccatgga 480
tgataagatt ctcaaa 496

<210> 11993

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-090-Q1-E1-H3

<400> 11993

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tcttcaccgg ggagatttgt cggtagctaaa tctaggggtt ttgggtatca ccggaggggt 120
gaagagagag aaaaaaactc acaatggaat cagatcaggg aaagctattt atcggcgggg 180
tttcatggga taccgacgag aatcttctga gagagtactt cagcaatttc ggcgaggttt 240
tgcaggtcac tgttatgcga gagaaagcta ctggtcgtcc tagaggattc ggattcgtcg 300
cattctcgga tctgctgtt attgataggg ttcttcagga caagcaccat attgataata 360
gagatgttga tgtgaagaga gcaatgtcta gagaggagca ggtcctgct gggagatnag 420
ggacttttaa tng 433

<210> 11994

<211> 158

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-H4
 <400> 11994

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 caactgcctc ggttgattcc caagacngga tgctatgatt caagcagatc ntcattggaag 120
 ntttctcgga ctgctacatt agnaagcatt gctcatna 158

<210> 11995
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-H5
 <400> 11995

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 atcaaagcga aggggaaggga aatctattat tcccgataag aatctagtga agacagaaca 180
 agcttcaatt gaggaagggtc catcaagacc tgtaaggaaa agaacaccgc gcaatcgtga 240
 aatcattacg aaggaagaga gtaacccaaa gaggcgtcgg gtttcaagag agaagccaaa 300
 gtctaattgct gtgatggctt ctaggttttc caacaggaag agaaagcgag gaaaacgaag 360
 gtcaggctct gccgggttac gaagaagatt ctgaagaang tttgggaaac tttcaagtaa 420
 ctaatccgga tttt 434

<210> 11996
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-H7
 <400> 11996

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cccacgcgtc cgaaaatctt ccggagcttc taactttttt tctgcatggc gtttcctctt 120
 cgtgtctaag agcgcttcat ttctgtttcc ttttctgctt gcctgggtag atattttata 180
 tccttaaaag gagaaaatgg atgaaaacaa cgcggaag ttaaccggga tcaagcagat 240
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 gctattggat ttgaagactt gtgactcgga cgaggaaact acttgccaaa gccctgagcc 420
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 tatcataccc acaaactttc ttagg 505

<210> 11997
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-090-Q1-E1-H8

 <400> 11997

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 gacgccgatg ggagtgtgcc gttcttctgg ggaaccgatg ctgaagggca ccttgtgttt 180
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 aagccagtgc cgagagtggg cagctcaagt gacgtgtgtg gtgcaacctt caaggttgac 360
 gctgagacta agagagaagg taccaaaatg cctaaaatcg atagctccca aaattgggcc 420
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 tcttgctcc 489

<210> 11998
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-091-Q1-E1-A1

<400> 11998

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aataaacttc gaacaaaaaac gaatgctttt gttcaatcat cttctcagtt tctgattccg 120

aagaaaccct aatcaaataa atcatggact gctcatgcag tactcgtcct tcgtctctgc 180

ttatctcttc cgaaccatct tttcgctttc ctactctaa tttctcctcg aatctcagct 240

ttcagatacc gaaagatacg aagttggtga agcagcgtt ggtagtgaga agttcctctg 300

gttctgatta tcaaaacggc gacgttaatg ggttctctc caaaccaaac aaactcttta 360

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cctcttaa 428

<210> 11999

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-A12

<400> 11999

nnngngggnn ngnnngaant gtttacgcct gccggtagcg gtccanaatt cacgggtcna 60

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ttcgtacagt ctcatgattg agatttgctt cttctacact ctctgttttc actcctcctg 180

attcttctct caatctcttg ttttctaggg ctgcttggtt ctgatttcgt gaggggtgaac 240

atggatggaa acaaagacga tgcgttgaag tgcttgaaaa tctgcaaaag tgctatggaa 300

gctggagatc gacctcgcgc tttgaaattc ctggctaaag ctgctcgtct tgatccaaat 360

ctcccgatcg atgatctcgt atctgagctt aacaacaaca aatcagacga accaggatct 420

gcaaaatcgc ctggatctgc agcagcaaag gattcttcca attcttcaga ttgggcttct 480

ttacgtcaaa g 491

<210> 12000

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-A3

<400> 12000

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gccgaggaat atgagagggg ttaagtcagtg tggatgctt ttagctgcat ctgacgcagc 180
tcatgaaaat gttgagcttc ttgttccacc agaaggctct gttcctggag atagagtttg 240
gtttggtaac gaagaagatc tcgagcagct tctgaacct gcacctcta ataaggttca 300
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aatgcttaag gagcatttga tgcggacatc ttctggtctt gttacttcca agtctttaag 420
aaatgccaac atttcttgat ttctgttaaa agctaatttg tgatgttggt ttgacacaa 480
gaaa 484

<210> 12001

<211> 427

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-091-Q1-E1-A4

<400> 12001

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tttcccggag aaaatgctgt ggatcagcnc gttgaaatta taaaagttct tggtagacca 120
actcgacgaa gaaatccgtt gtatgaatcc acattacaca catttcaggt ttccacagat 180
aaaggcanat ccctggcaca agatcttcca caaaaggatg ccccataag cgattgattt 240
tgcacaaang ctgcttcaat acnctccaag tctaagatgc acagcgctcg aagcttgtgc 300
acatccgttc nttgatgaac tcanagaacc aaacgctcgt ttaccaaag gacnggcttt 360
cccgcctctc ttcancttca nacaanaagt agntgngatn atcacctgaa ctggtcaaca 420
agttgat 427

<210> 12002

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-090-Q1-E1-G6

<400> 12002

taatttatta ataaaaaaaa ataaaaaagaa gcagaaaaga gataatgcag ggtggtaggc 60
ttttgacggt gttggtgtgc ctgcctcca cggtggcgtt ggtgangcgc cggtgaccct 120
tacttctact acacgtggaa cgtaacctac ggaaccgccg cgcctctcgg aattcctcaa 180
caggtgattc tcatcaacgg acagttccct ggtcctaacc taaactcaac ctccaacaac 240
aatgtcgtca tcaatgtctt caacaacctc gacgagcctt tcctcttgac ctggagtggg 300
ctccagcaca angaagaact catggcaaga tgggtgtgact gggacctcat gcccaatccc 360
agcangcacc aacttcactt accatttcca agnctaagga ccaagattgg gttagcctagt 420
tctactaacc atccaacgg 439

<210> 12003
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-D7

<400> 12003

acacgatctt gttcggagag attcgtaggg gaccgatcta tcaaggcttc aaggggcaaac 60
agaaatggac cagcacaaga caggatgcca aagcccacct gaagggtccca agctatgtac 120
taacaactgc ggtttctttg gaancgctgc cacaatgaac atgtgttcta agtgtcacia 180
aggatatgtt gttccaacaa ggagcaaggc gctaagtttg catctgcaat tgtctggaac 240
atcgtcatcc aacaacatca taaaagggaa anctttaacg ctgcgttggt cnatatttaa 300
accaaaccg ttnaacnat gactgtttct gtacanccat cctctgtcca antcnttnca 360
aaagtagtan caccanaaga anctgcgaaa ccaaaggac caaacnatg tttt 414

<210> 12004
<211> 78
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-D8

<400> 12004

ggcntggact taacgttttg ggaaggggttc actcaaccga taccagaag aaaggtggan 60

ccgatttttg gcaatggg 78

<210> 12005

<211> 368

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-E1

<400> 12005

cgcaagtttc tcggattcag gtctcgggtcc aattccatct acctggaaag gngaattgca 60

gatcggacct gattttcctg cctcatcttg caatcggaag cttatcggag ctcgagcggt 120

ttacagggga tatttaacgc aacggaatgg acaaaaaag catgcancca aggaatcnag 180

atcgccgcgt gatacaaaan gtcatggcac gcacacngca tctacggcaa gctggatcgt 240

gggttgcaac gccaatTTTg tacaantacg ccgcccggaa caactaatgg gaatggcntc 300

caaagncaag aatccncgct taacaaaatc cgntggaacg gccgggatgt taccantccn 360

aatatact 368

<210> 12006

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-E12

<400> 12006

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gctttttctt cgatcacatc gctcctatgc cgatcaggta atcgacacgc agaagcaggt 120

tctctctctg atccgcgatt tcaactctgaa agatctcgtg gaggttaagat acttcataca 180

ttttgtttgt tttctaagag atttcgggtt ttgaacgatt ctactattca atccctggag 240

acacaggtga gttgtctttg aacgatttta ctattcaatc tctggaggtt ttgatttttc 300

tttgatctta cttggttttt gggatgatta acaagttttg gtgcctaatag agattgaaac 360
 tgtgcctctt tttttttttt tttctcagge aaggattagt cttcttcagg atgaagtttc 420
 tactaatggc attgaagatg atgctcttaa ggtttggcca cacattgttt anttgagttt 480
 ttaagtgct 489

<210> 12007
 <211> 551
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E2
 <400> 12007

gngnnngnaa ctgtttacct tgcccggtgcc ggtccaaaa attaacgggt ccaccacgc 60
 gtccggtgct gtttgagtcc gtacgaaaac anaagaaaag agagagatgg cggaagagaa 120
 gaaagctcca atcagtgtct ggactaccgt gaagcccttc gtcaatggcg gtgcctctgg 180
 tatgctcgct acttgcgta tccagccgat ngacatgatt aangtgaaga ttcaaccttg 240
 gtcaaggatn tgcaaccaat ataaccaaca acatgcctaa gaattaaggg cgtttggtgc 300
 cctccaaaaa gggaataacc tgccgggggt gnetgaaggc aaagcaacct tacaccaana 360
 gcccgctctg gattnaatca aanttgccga actgcaaaag gaaattgaat cccaaatgaa 420
 nggaaaancc tccaaccggc tgtatcaaaa anggaactaa tgttggtccg aacanctggg 480
 tgccaattgg gtgccttgcg ttcggtagtc caanccgatt ntaagccacc ttatcaaaaa 540
 atggcaaggc c 551

<210> 12008
 <211> 247
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E3
 <400> 12008

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 cgggacgcgt gggctgtggt gggacctctg gtgttttagct atgangataa tgatatttct 120

gatcaggatc ttcttcttga tgtgccgtcg aacggctcat tccctcaagc agagcttcta 180
 aacatgatat gaaagangat aaagtttctc aaactcattg gttaaactca ttgtgtttcn 240
 caganna 247

<210> 12009
 <211> 545
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E4
 <400> 12009

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 tccgngngaa ctgaaatctg caactaggaa ttccggcct gatagtgtgg ttgggtgaag 120
 gtggatttgg ttgcgttttn caaagggtc gattcgaatg atccctctc ctcgctccc 180
 ttctaaaacc gggggaaccg gggattgtca tttgctggtg aaaaaagacc ttaaccaaag 240
 aaaggtttca aaggatcatn aagagtggct gggctgaaga tnaattattn aagccaactg 300
 ggatnatcct aaccttgtga aactgattgg atactgcttg ggaagaagag cacaggcttc 360
 ctgtttaaca agtttatgac tcntggtagt ccctgagaat cactgattca ngaaagaaga 420
 acattctatc aagccacttt catggaacac ccgggttcgt aaggctcctg ggtgcaacct 480
 agaggacttg cttttccttc acaatgctca accgcaaagt tatataccga agacttcaaa 540
 agcat 545

<210> 12010
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E5
 <400> 12010

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 cgatggcggc tctagggttt ctattccggc tgatntgctt caaaccattn aaaacatnag 120
 agaggttaac ggtaaacaaan attccgacga ggatatcttc cctgtcctta aaggatgttt 180

cattgattca aatgagaaca actcaaaaag ncttctccta ttanataca tttcaatgaa 240
 gggtnaagaa gccaaacggg gaagaagaat annanagaga atttaagtng cnaaaataca 300
 caaatgaaag gggcccngan tgggaacggg aagaactttt gentcaaagt tacaca 356

<210> 12011
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E6
 <400> 12011

gaatagatct ctgtgtcatt ttattcgtaa gaatgagatc tagtgtagaa gataacaaag 60
 gatggatagg accagcgaca ccggagatat cgaacggttt tgagtttcag aaagggttcga 120
 accggacacc aaaccatcaa cgggtctacta aggggaancc agcgccgtna aaatgggana 180
 tgctcaagaa atggctttct gggntaaggt ttgcctccgt tggaacgttg gtggaagttg 240
 tgacaaagaa gttatcatca actcaaagaa gttaataaag cccganaaac tcctaaacgc 300
 cggattattc ntaagactta aaagccttca ancttcacaa gaanagaacc ntnaanggag 360
 aaagattcag ttacgtttga attatgaagg attaaagaaa atggccngcc ggnaaataac 420
 cggaagttga aaaccaaana aagttgaatt tgtgggttaa nccggtttgg gag 473

<210> 12012
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-E7
 <400> 12012

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 aagaaggaga tcttcaagct agcgaagggt ttcagaggaa gagctaagaa ttgtataaga 120
 attgcgaggg aaagagtcga gaaagctctg cagtactctt acagagatag gcgcaacaag 180
 aaacgtgaga tgagaggtct ctgggatcga gcgcatcaac gccggttctc gtcagcacgg 240
 tgtgaactac gggaacttca tccatggact gatgaangag aacatccagc tgaanccgaa 300

agtcctctcc gagttatcta tgcataaanc ttacagtttc aaagcacntg tggatgtctc 360
cccgcacagt cgttccttgg aaacaaagaa cgtgggtccaa agcatctccg gaaaagtnaa 420
cntttcatcc atcaag 436

<210> 12013
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-E8
<400> 12013

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ccagattgat ctctctaatt atggcttcca tgagtttcgc cttgaatgc ttctctggac 120
tctctctaa aaccacctta tcagctgact tcgatccatc ctctcgccgg agttttctac 180
cgccgactag agttggactt aagatctctt ccgccgccga atcggagcct gatctcagt 240
tactgtaaa tggcctgaaa atgccaatc ctttcgtgat cgggtcgggt ccaacgggta 300
acaactacaa cgtcatgaag agaacctttg atgaangntg gggggccgtn atcgccaaaa 360
ccgtatcctt aaatgcatcc aaaggtatca acgtgacacc tanatatgct ccgntacnaa 420
acggattcaa tgg 433

<210> 12014
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-F1
<400> 12014

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tgatggattc cggccttggc aacgatcgtt tcagttctgg gctcgtgcca ctgatatcta 180
caccggatac aaggtttctc ttgattgat gggatattca acttcgtatg aacttcgtca 240
aggatgttaa taagcacgan gagatgtngg aaganacaac atgaaacttg ctgctcaaaa 300

agtttaatct atgtgctctg aacttggtgg tttcatcctt aagattgcac aagttctang 360
gaaacctgac tggctccagc tggcntnggg tgagaaaaac tcgtcacttt gtgtgaataa 420
agctccctgc caaacg 436

<210> 12015
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-F10
<400> 12015

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atctctctct ctctcttcnc ttgtantaan aaagctcaca acataaagaa attattacag 120
aacaagcaag caagaagaag aagaagaagc aataaaaatt agtgcttttt tatttagtga 180
gagagaaaag ctctgaagaa gaaggaagtt gttttcgaga tgcgagctag taaaggaacc 240
ttctctgtac ntctctctct tctccttttg attctcattc tgcccagtct ttaatttttt 300
ttcctttttc ttctctctct ttctctctct tcaatttcac tcntgttggg taagtcaaga 360
atcgtccaaa gtcttttttt tttttcttgg gttgtttggg attggatctg tttcttgggt 420
cttttaaaga ttggntaata ctttgatttt ggggggtttt gatttgatct aggggtttcta 480
gtt 483

<210> 12016
<211> 474
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-F2
<400> 12016

nngnngnaat gttacttcgc ccngnccgtc caaaattana gggtcnacnc acgcgtccgc 60
acctccactg tottaaattt cactatcttc ttcttcattt tccttccttc tcacttcaaa 120
tccataatcg ctctacttct ctctctctct ctagattcga aaaaatggcg aaactgggtga 180
ngttgttggg tctctgtatc ttaccggcga tagccatggc ggcaaggacg ggaaatattg 240

gaaagaatac aatggtgggt caaggtanca cctactgtga catttgcaaa ttcggttcga 300
aactcctgaa tcctcctact tcacccccgg tgcaaactg aagctatcat gcaacagaca 360
ggangacnat ggaagaagtt tacanagacn aanctgtatc agacatagaa ngaaantata 420
agttcaattg tccacgaaca tnacaganac cagatgtgcc aangttttgc ttgt 474

<210> 12017
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-F6

<400> 12017

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ccaaggaggc tggtgcaatc aaggaggctg tcgcagtcaa agangcggcc taatcagctc 120
agcttcagca gataaaagag acccgaattt ttaagtgtac ttcaagaatt tgaacaaatc 180
atggaaaatt agtgtttccc actgggtcca aactaacaat gtnntaacct aacctnacca 240
actttgttnc ctggcttggt tttnacctgg taattaagaa ttatcaaata tcaccttgt 300
tccaacttaa aaaaaaaann aaaaaaaaag gggcgggccg cctctaaaan ggattcaaag 360
ctttacgtta cgcc 374

<210> 12018
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-D6

<400> 12018

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catgtagcca aacagatcgt ttcaacanac aagatttcga aagcgacttc atcttcggtg 120
ttgcatcttc tgcntaccaa gatcgaaggc ggcagaggtc gtggacntaa cgtttgggat 180
ggcntcactc accgatacca nanaaaaggt gggagccgat ttggggcaat gggagacact 240
acttgtgact cataccggac tttggcaaaa anacnanaan tgatggaaga acttgnggtt 300

aaaggntaca agattcccc ttgcntgggc nagaatcctt ccaaaaggna agaggaatnt 360
 gggaatcaac naaagatgg 379

<210> 12019
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-B3
 <400> 12019

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 cgcgctccgaa aagtcacaat ttengatttn accgctaanc ccnaattcga nagccaangg 120
 atatanatgg gtcgataagt gcnanggatt cttacataac acggttctcg ttgcggcttc 180
 tctcttcttc gtcgcttact tagcttacga agcgaagaag agtctgtcta aactctcgaa 240
 tcggagatct tatatcatga ttgcttaata aggggtgcct tggcttggtta gcttgctcaa 300
 tcttgcttgg tgctgtctcc aagggtggga atgtactcct gggaaagaag ttgtttggaa 360
 tctgttaact ttgttcacaa catctggaat gttgtttctg ggaaataagc ttggtggctt 420
 ttctcttcca aggaaactat gcaagcgggtg caaaagcatt aactaagaac gttcctaadc 480
 tcgggtttta ntgttgctct tg 502

<210> 12020
 <211> 128
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-B4
 <400> 12020

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 nttaagccgc cgccgaacct ataaccngg ccgttccggg gcaaagaagc caaagncctc 120
 naattgaa 128

<210> 12021
 <211> 428
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-B5
 <400> 12021
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 cattccgatt agaggggtat atggctctat gatttcagct atatctgtgg aaccaattt 120
 caaacctccg gtatattatg acacaaagga taccatacta aaagtggggg tacctgtcgc 180
 tgcaagcaac acttcttttg tttatcatag tgggtgtatt ctggaaaaaa aggcgtgaca 240
 aaaatgatat tgacaaagag ctaaggggtc tagatcttca aactggaact ttactctac 300
 ggcaagataa aagcagccac tgataatttc gatgtaacaa gaaagattgg tgaaggtgga 360
 tttggctctg tttacaaagg gtgaattatc tgaagggaaa ttattncagt ttaacaactg 420
 ccgcaaaa 428

<210> 12022
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-089-Q1-E1-B7
 <400> 12022
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 aaggcaacta ttggggctga tttcttgact aaggaagttc aatttgaaga ccggcttttc 120
 actttacaga tctgggacac agctgggtcaa gaaaggtttc agagtcttgg tgttgcgttt 180
 tatcgtggtg ctgattgctg tgttcttgta tatgatgtca actccgcaaa atcattcgag 240
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 actttccctt tgttgttatt ggtaataaga tcgatgtgga tgggtggaagc agccgggtgg 360
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<210> 12023
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-C1

<400> 12023

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ccnccccccg ttgctgancc ancgcccatc ccagaggaca tggncctaat gactgcattg 120
gagttgactc ctaagaaagc tegtgttat ggtggtgtt ttcgtggtct ccatgagtgt 180
gctnagctta atgaagaaac cgtgtggctc aactcgttgt cntggctgaa gactgcaacc 240
aacctgatta tgtcaaagcc tgtgaaggct ctctgtgctg atcacgaaag tcacggttgc 300
taaacaattc caagtgccaa gaaccttggc gaatgggctg gtctctgcaa aattgattct 360
gaaggtaatg ccangaaagt tgttggtatgc tcatgtcttg ttg 403

<210> 12024

<211> 338

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-C11

<400> 12024

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catgttnaan gttgtctttg gtttggtttt taagttcttt ggatcanata cgattaangc 120
agtgagaaag atgataatgg cggtaacaac agagcattag gaaagcttct ctcgacatct 180
tgcttcctta ccaacgttcg gatttcgaag ggatcttccg tgctatggat ggtaaatggt 240
ttgagtcgtc tctctaaaat gtancacatc ttaaaacatg cctaaacctt tttagttttc 300
aangtttacc ggtnnnaatn cgtntgttaa accctacg 338

<210> 12025

<211> 546

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-C2

<400> 12025

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 gtgagcagat ccnggagtat gtctctctct canatcaagt cttccctcca acgcatcact 180
 ccgaattacc ttcctcgtct tctcgccgtt cgggttactc ctcggtctcc caatctcttc 240
 tccttcactc ccatctttct cgggtctctc tctccgggtc aatcctctcc tctcaatcgg 300
 acttcagat tggcaaaagc ntngagaaa tgggattcaa aaattgttga cgggtgggtgg 360
 gtcgtatcta cgcgaatgaa gaacacngga cgaacgtgtt tccgaaagct gaacaagaac 420
 aaccgggacc aagcgcaaaa gctcttctgg cgaanggact caacgaactc aagctttctt 480
 aaagcatggg aagaatcaan gaacgaactc cgagctaaga gctanttgcg aanaaggaag 540
 ttcgtt 546

<210> 12026
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-C5

<400> 12026
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 tgcnaggatc ttcattccact acctctccgc cacggcanat gattgttgct ataactactc 180
 tagtgccgac cgttcttggt agaagcgggt ttttaagcttt tcttaangtt attacggcat 240
 tgttttgtgt tttgttgaag aatttccatn ggcagccant gtcacancca agctccaaca 300
 atgccgcac aacagtctnc tantcggcct aaaattaggg cnnaggnaag gcnagccaac 360
 cgggtcataa tancatngct gaaaagcctc c 391

<210> 12027
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-C6
 <400> 12027

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 aagatttgac ggtggttata ccaaacttta ntggtggtcc gactcnaana ttgctcgatg 180
 gattaaacgg tcatgctgaa ccaagtcgga ttaaggccat taagggtcct tccggattcg 240
 gcaagtccac gcttctgat tctctcgag gtagactcnc aagaaacgtg attatgaccg 300
 gtaatctcn attgaacgga aagaangcaa agactaaact acggtccnt cgcttaagtt 360
 acacaaagag gacattttga tgggaacact aacngtgaag gaaacaataa cataactcaac 420
 tcaancnacg ggtatcaa 438

<210> 12028
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-C7
 <400> 12028

gcnacggtct taagtgtcc ggcacttctg cagccgacaa agnctttttn agtcatttcc 60
 tgatgag 67

<210> 12029
 <211> 86
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-C8
 <400> 12029

ccttgattga ctcacgcaca actctcacat ctaaaaatgc aactgggtcat gctcctggtc 60
 caacgttcaa gggaaccaag ttnnta 86

<210> 12030
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-D1

<400> 12030

tttncacccat nncggctncg ggattnctac cccgccttgc ncancttctt ccacggtagt 60
cccaatgggtg ggcttgaanc ggactgattc gaaaaagctc cgttcagatt tcctccggcc 120
agattgggta cnaagattcg gagacaagta agacacaagt tactgtagaa gtcatttagc 180
tgtgaaaatg tcntgggacg gtcctcttgc ttccgtcaag ttgattatcc nnggaaaaaa 240
cctccgaagt ttatcaagag cccaattnaa gcaagcatgt tgaaagaaga aanttagcaa 300
atccgttcaa gaaaacacaa gtcaatcttg gtgagannaa tttgatggta aggactccnc 360
tgttc 365

<210> 12031

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-D10

<400> 12031

nnnnnngaac gtnagtngcc ggaccggtcc gaaatncggg nccaccacgc gtccgcggat 60
tgttcacaac ttcaaagcat cgaaaagggt taaactttac gtttttctct ggaacccgat 120
tcgaagaaat catcaagaag tttcctttca ctgatttctc aatctattcg tagctttcgc 180
gcttatggaa gattctggag tgaatccaat ggattcacca tctaaaggca gtgactttgg 240
agtctatgga atcataagag gtggaatcgt ggctttactt gtgcctgtgt tactctctgt 300
ggtgttgaat ggaacccaaaa aggggaaaaa gagaggtgtt cccatcaaag taagtggcga 360
agaaagttac acaatgcgtc atgctcgagc tcctgaattg gttgatgtac cttggggaaa 420
gaactgctac taagcctggc ttgtttgaan catccttgta agaagttatc caaagattcg 480
gttacnagga aac 493

<210> 12032

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-D11

<400> 12032

tgttcatgcc ggtgaaagat taggccgtgg tatagtgacg gatgctatca ctactcctgt 60
agtcaacaca tctgcctact tcttcaagaa aactgctgag cttattgact tcaaggagaa 120
aaggagtgtg agtttcgagt atggtcgtta tggtaaccct acgactgtgg tacttgaaga 180
taagataagt gcacttgaag gggctgaatc aacttttggt atggcatctg ggatgtgtgc 240
aagcactggt atgcttttgg cattgggtcc tgctgggtga cacattgtca ctactactga 300
ttgctacagg aagactanga tcttcatgga gaattttctt cccaagttgg ggatnactgt 360
cactgtgatt gattctgctg atatcgcaag gcttgaanct gcantgaatg aattcaaag 419

<210> 12033

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-D12

<400> 12033

gctagctaga caagatcctt tttgtacat atcaggattt atcatatatc atttctgtta 60
tgaaggaagt ttctcatgaa gtcgccttga tttatcgtct ttgatgatta nttctttgca 120
ggcttttcct gatgctgcaa cgatttccag tagagtctaa anggcggcgc aagaagctac 180
aagagggttg ctacgtgaca accatatgct ttacatgttt cctcatcaag atgtatcatg 240
atgtgctttg atgcgtttga cgatgcagca gatcttgatg tcttaagatc atccaatcct 300
aaacttcata tattacttgt tgggtggagat attgccatcg tctctgggtcc tctttatcct 360
aagaaagctt ccgccaaaac gcggtatcac acaagtacca tcaaatacaa tgaacatggt 420
caagagaatc cgaaa 435

<210> 12034

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-089-Q1-E1-D3

<400> 12034

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 ngggaaangg aaaattcttg nggcattggn ggcttcaagt ccaacaggag gatggagtgg 120
 taggagttta agtttacttg atccaactta tgcaagcaag tatattccaa ttattgcaag 180
 tgtcagttaa catcaacctc caacttggcc atcttatttc atggatatca atgttttggc 240
 tttcttggc cctgctggca tcattgcgtg cttttcgcct ctatctgatg ccagctcttt 300
 tgtggtcctt tacattgtaa tgtctgtata cttttctgga gttatggttc gtcttatgct 360
 cgtgcttgct ccagcagcat gcatcatgtc tgggattgcg ctctctcaag cttttgatgt 420
 tttcacgggt tccaacaaat accagttagg cgcacgtct aattccacag atgatgcaga 480
 ggacaacact tcca 494

<210> 12035
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-B2
 <400> 12035

gnnngnngna actgtttacg cttgcccgtg ccccgctccga aaaattaacg ggggtccaccc 60
 acgcgctccga aaaaactttt ctttcttctt tcttcaacct ttgcttcaat ctttcaacaa 120
 acttttcttt ttataaaaga ttttgcaagt taagttgtaa acctacaaaa aaccaaacat 180
 ggggtgggttt tgccacaagc caagtcactt tagataacca catctcccct aatccccccac 240
 atacaaaccg gttccgggtc tcaattccat tcaatccccg tcgtcaacct agccgattcg 300
 ggaagcgaaa aaccggaatc gtaaaagcct ggcgangagt tcgggttcnt caaagggccg 360
 taaancaagg agtccgaacc gaactcatga ctnggttaaa gcaagangct attggcttcc 420
 tcggcttgcc tcaatctctt aaaaaccggg ccggtccaac tgaaccgtac gggttatggta 480
 ataaacggat tggnccaaac ggtgacgttg gttggattga gtatcc 526

<210> 12036
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-H1

<400> 12036

ngnnnngnant gttacttttgc cgccccggtcc gaataacggg tcgagcacgc gtccgcccac 60
gngtccgccc acgcgtccgg atgttttgaa agagtttagct gggaaagttt ctgctgaata 120
cgactttatg ggatgatgtc tcagatattt ctctggaaga agttgttgag gatgatgatg 180
tagaaacatc aagaaacaca aaagtccaag acagatgatg aaaccgacac atctgcttat 240
ggaacagcat atgttgcatt tgggaggggg tgaaagggga aaggaggcat gtcattgctat 300
tgcttcatta tgtgaagttt gctctataga ctctttgatc tcaaatttta ttcttccgtt 360
acagggaagt aatgtatcag gcaaagatgg tcgctccat tgctccctta atatcaatac 420
aagaaactgg gcgcttatca gctanaaggc caaatttgca naaccaacct gcantggaga 480
aagatcggta caagattcgt aagggtttg tagcaacccc ctg 523

<210> 12037
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-088-Q1-E1-H12

<400> 12037

ccccnnaan nnaaaannn nnnngcccc acgcgtccgc atttaacaat ggcntttctct 60
tctctatctc ctctacctat gaagtcactt gacatttcga gatcctcatc ttctgtctca 120
agatctcctt accattttca gagataccta ttgagacgtc tacagctaag ttcccgttca 180
aacttagaaa tcaaagattc atcaaact agggaagggtt gttgttccag cgctgagtca 240
aatacatgga agaggatttt gtctgcagca atggcgccg ctgttatagc ctcgagctcc 300
ggcgttccgg ccatggcaga gcttaacagg ttcgaggccg atacacgtgg cgagtttggg 360
attggctcgg ctgctcagta cggttctgct gatttcagca aacagttca ctccaatgaa 420
aatttcagaa gagccaactt tacttccggc cgacatgaag aaagtctgan ttca 474

<210> 12038
<211> 482
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-H8
 <400> 12038

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gaatttcgtc ttaaattcgc tttctcatct tcttttactt ctcggtttca agatctcttt 60
cagagatttc tcattttact taccctcttg ggcttgctg agtttaaacy tgcgacattg 120
nttcctcaac cgtaatcaat aagggttaacg ttttcctgga ttcccgtaaa gggaaagaac 180
cntccctcaa caanggctcc ngatctttgc ggggtgggaaa gattggcttc nttcctttgg 240
gtaacaaaat tttaaaagtt gggattgaag tcctaagggtt ttatcatctg aggttttagat 300
gtatcttctt tctttgctta tgcttggttt tactactgat tatgattatg ctggttaatt 360
ggtgttgctt tagggatttc acgttacact tgctcccatg ggacaatgat gttttccaga 420
ttcgccggtc catgcganac gctatcttcg tccaattaag agaagcgaaa nccantttcg 480
aa 482

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<210> 12039
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-H9
 <400> 12039

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acgcgtccgg agaaatacag cattttgccc atcattgaag cacttgaaca ggggtgtgagg 120
gtgggtgaac tagatctgtg gccggatggt agaggcagca tctgcgttag gcctagctgg 180
aactttgaga agcctctgaa attgcaagag tgtttggtt ctattaaaga acatgccttt 240
accaaagtga catatccctt gataattacg ttcaaggacg gcttgaaacc ggaacttcaa 300
tccaaagcta ctcatgatg acaacagaca tttaatcata tggtatatca ccatgatcct 360
catagtttgg aggtttttcc ttccgcacaa caactgcgaa ataagatact aatatcaaga 420
agaccccaaa aagagttggt atatgcta atgatgatg gaaaagttgg cgtacggaat 480
ggggntgaga taaagacaac ac 502

```

<210> 12040
 <211> 331
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A1

 <400> 12040

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 caatcagctt gcatattcta nggaaggtgn tctgacaaat gaggggcatt canatgaggg 120
 ttagatnaca tggagctgaa gaanttacac atganatcac agaaacaatg cgtgtggaaa 180
 tgggaatatc agtcagatcg tgcattggtat gatacagacn angggaactc actgtttgat 240
 gcggacagtg catccttttt tcctggnaga tgatgcttct ccacaagaag aagggaact 300
 gaaactgggc aaaagaanac tgggttatna a 331

<210> 12041
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A11

 <400> 12041

nngngnnnnn nngnantntt tnttgccngc cgtaccgaac cacaattctc gngnccgcca 60
 cgcnnnagnn attgggcgga cgcgtgggtg gagagttgct gtcggagcgt catagcttca 120
 aggacgtttc atctgcggtc aagtggccgt ctatttcctt ctcttagctt aactcatctc 180
 aagggaagc tatctctctc catcaactcg ttttcctcca agattcagtc tcatgctctc 240
 cgaggagttg gtataggcga gtcagataag aaaaatcccc tgccgcgagg ggccggagaa 300
 ggagtcaagg aagatgcgag gagtaagctg cttcatgtag ttttggtctc tctcagatt 360
 cctgggaata caggttgcat tgcaagaaca tgtgctgcct cagctgttggt tctgcattta 420
 gtcgggccat tangttttca agtggatgac gccagagtta agcgagctgg tttggattat 480
 tgccctttg tggttgtaa aac 503

<210> 12042

<211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A12

 <400> 12042

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agctatcaag ccaccactt cacaagacca acanaccagg catttggtcg atngacattc 60
taacattcct aagggatgtc atttgctact gggagggagt ttgatgcaaa ctggctggtt 120
cctcctttga ttgcaccttc tgggacaaat cttgtcaaca ctgactggtc actccgaaga 180
aggttacaag cgtaaaatth gtaggcgact ctgatcttgt tttgactgct tctgctgaca 240
agacagtccg tatctggcgg aatcctgggg atgggaatta tgcttgtggg tatacattga 300
atgatcattc tgcggagggtg cgagctgtaa ctgtgcatcc cacaataaaa tactttgtct 360
cggcatctct tgatggtaca tgggtcttct acgatctgtc ctctgggtca tgccttgcac 420
aggtatcaga tgattcaaag aatgta 446
  
```

<210> 12043
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A2

 <400> 12043

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cgantgggtan tgctattgct attcagattc ttagccgtgg cttcttgctt ctttgggctg 120
gtgttggtat tacngcttcc gattgttttt natttttgtt ccaaagaaat tacggtgtga 180
ggaaattana agctgttttt gcagttttga tgcgaactaa gggtttgtcc tttgcttgga 240
tgtttggtga aacaaaaccg agtgggaaag aacttatgat angtatttta ctaccgagac 300
ttagctcaaa gacaattaag caagctgtaa gtgtgtttgg ctgtgttaaa atgcctcaca 360
atgtgttttt gcaatccgnt cctgtacaat cnaaggaaaa tcnattccaa gaagaaatcc 420
ccggttcaaa gaagcgcta aatactaatt gatngaata accgtcccac ttttcaacct 480
cttcaagaat aacntggt 498
  
```


<210> 12044
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A4

 <400> 12044

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tcagatctca tcaaccttaa cctctcagac tccactgaca aaatcattgc tgaatacata  120
tggtgttggtg gttctggaat ggacatgaga agcaaagcca aggactctac ctgnaacagt  180
gactgaccct tcgcagctac caaagtggaa ctatgatggt tcaangcaca ggncaaagct  240
cctgggtgaa gacagtgaaa gtcactntat accctcaaag ccataatcaa ggatnctttc  300
cgtagaggaa acaacattcc tgtcatgtgc gatgcgtaca ctcccgcngg ttaaacaatc  360
ccgaatnaca aaanacacgc tgcggctaaa gtctttanca accctgatgt tgcanctgaa  420
gtgccaaggt atggtattga                                           440
  
```

<210> 12045
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A6

 <400> 12045

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gcncacgcgt ccgcacacat cgataccatc accagtttac agattcggat agggacccac   60
atagtcctaa cgaangattt tgggtcaagt cacctcctan ggctatttga taccggttat  120
cttgtagaaa agtgtggaan aaggacanat gtggaggact taanagangg cagtgggtac  180
tataaattcc ctcccaaaga aanaagtccc tttaccaaca atttctaaca atttgggttc  240
ctccctncta ttaactttgg tgggttggtc ctttccttaa ctttggggaa atgggtatat  300
tttaataatt ccgttccctt ttatttttaa aaaatttcct acaannaaca taaaagntag  360
ttacaaatna taaatgaaan nntgaaagaa ttccaatttt tccaaggagt gtaaggattt  420
ggggtngcna tggagcatcn ngtganttgc ctca                                           454
  
```

<210> 12046
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A8

 <400> 12046

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 ataaaaaaaa ataaaaagaa gcagaaaaga gataatgcan ggtggtangc ttttgacggg 120
 gttggtgtgc ctgcctcca cgggtgcntt ggtagcgcc ggtgaccctt acttctanta 180
 cacgtggaac gtaacctacg gaaccgcgcg cgctctcgg aattcctcaa cangtgattc 240
 ccatcaacgg acagttccct gggtcntaac ctaaactcan nctcnnaaa cnaatgtccg 300
 tcatcaatgt ctcaaaaaac tcgaacaagc cttccccctt gaactggaat tggactccaa 360
 gcacaaggaa agaactcatg ggcaagatgg tgtnaactgg gaactcantg cccaatccca 420
 acaanggaac aacttcaatt ac 442

<210> 12047
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-089-Q1-E1-A9

 <400> 12047

 aagaagaaca aaaaaaaaaa ggaagaaaac ttgctgtgga tgaaaaaatg gagatcggag 60
 aagaaaattc tcgatgacca ttgaccttca gaagagttgg gaagtgagga ctgatgtgtt 120
 ctggtggaga aggaaaacaa tggagctgtg gaaaagcggg tgtagtgagt ttgcagaaag 180
 ttggatcttt ggttcgagat ttgagcgagc cttgtctttc acagtcacgg atacaggttg 240
 ttataactat cggcaaaatg cttaagccag agaagtggca agcgtctttt gatagcgacg 300
 gaagagtttc tggtttccag aangcgctta aattaattat ttttaagggga atcganccat 360
 cctattanag ctgaagtttg ggaaattcct ccntgggttg ttaagccttt aacaaacacc 420
 c 421

<210> 12048
<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-B1

<400> 12048

ccaggaatag tccttgcgct gcttgtgctt atcccgcgcg ccggcantag gacttacanc 60

tggagtgtga aggcaatccg tagaaaggan tactgg 96

<210> 12049
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-089-Q1-E1-B10

<400> 12049

ggagagaagc gtaagtcttg ccggagagtc gagtgagctg aatggttggg actcaccatt 60

ttccttcagt aattttctca gagagagctc tttaatcggg aaaaatcttc aaatgcgtct 120

ggttttgttc tctttttaat ttttttcttg tgatttcatt catggagatt gcaatttcgt 180

ataaaccgaa tccgcttata tcttcatcga ctcatgtgtt gaaaagatca aaaagttttg 240

gtcttggttc gtttcccgcc aagtatggac tgggagctac ccggaaaaaa cagctctttc 300

gagtcctatgc gtctgaaagt agtagtgggt cttcatctaa tagcgatgga ggcttttcgt 360

gggtgagatt ggctcagtct attcgccttg gtgccgaacg gattggggag aagattggag 420

aat 423

<210> 12050
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-089-Q1-E1-B11

<400> 12050

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ctctccttcc tacttctctcg gtttcatcgt ccactgtctc aacaatggcg tcattgtcng 120
 taccttgctg caagatctgt gctctgaaca ggcgggtcgg atctctccct ggaatctcta 180
 cncaaagatg gcagnogcaa cccaatggga tctcctttcc ctccgatgtt tctcangaat 240
 cattctgcat tctggagggt gcgtgcanca actaatgang ttgtttctaa ntccactcca 300
 atgacnaatg gtgggtanat gaacggnaaa gcganaacca atgttctga acccgccgag 360
 ctctctgaat ttatggctaa agtctctggt cttcctaagc ttgtggattc aaaagacata 420
 ntggaacttg aactaaagca gntcgactgt gatatngtta ttcgaaataa ggaagcctta 480
 cagcaaanct 490

<210> 12051
 <211> 124
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-088-Q1-E1-G8
 <400> 12051

gatgggtatcn ggaatacgt ctagtctaan ccccgacnca cctctttttt tccggcagct 60
 gtncgacgag tggacgattt ctcaccggnan tgggtggcaac tggtgacttn tgcacgtggg 120
 tngc 124

<210> 12052
 <211> 94
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-087-Q1-E1-C10
 <400> 12052

anaaagatat anagagaaca cagatgagggc gaagagcgac gtatgggttg tgtttcgtac 60
 ggattttctc ggtcaatctn agtttctccg gnga 94

<210> 12053
 <211> 165
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-087-Q1-E1-C4

<400> 12053

ggaatgataa tatcgaagtt gggaaaatca ggccaagcct ttttgatgcg tttggtgatg 60
 attcgagccc gaaagtgaag aagtttatga aagtgatctt agggtaagct tcaggctgga 120
 aatggagaag aaggtggant taatgggaaa tgcctttggg ccaaa 165

<210> 12054
 <211> 182
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-087-Q1-E1-C5

<400> 12054

gcggacgcgt gggcggtttc ctccgatata tctcctcgtc gccgttcttc ggattttcac 60
 tcttctgctc gaaagggcag tgcttgagaa tcattgaaga aggtgatcgc tgggtgctgtt 120
 ttgataactc aaagccgttt tgctgaaagg agggttacca aaaggttang aaggcntcaa 180
 ag 182

<210> 12055
 <211> 154
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-087-Q1-E1-C6

<400> 12055

atcatcatca tttctctcta tctctttcta aaacacaacc atgactgttt cttcatctcc 60
 atgggctctc atggctctct ttctaattgg ttcttcaaca atgggtaatg ggctaattcc 120
 ctcccaacgg caaaggggcc caaatTTTgg aatt 154

<210> 12056
 <211> 184
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-087-Q1-E1-C8

<400> 12056
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<223> Clone ID: LIB25-087-Q1-E1-D12

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 <211> 191
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 <213> Arabidopsis thaliana

<223> unsure at all n locations
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